

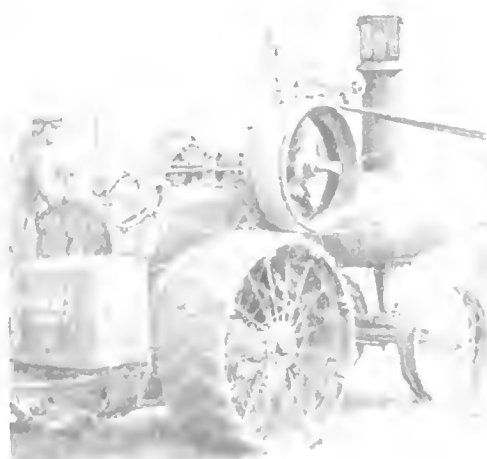
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The map shows the following counties and regions:

- Northwest:** Lincoln, Flathead, Glacier, Sanders, Lake, Minchall, Mussola.
- Northcentral:** Pondera, Teton, Yellowstone, Powell, Grant, Deer Lodge, Silver Bow, Blaine, Hill, Toole, Cascade, Judith Basin, Weather, Gallatin, Park, Sweet Grass, Still Water, Felt.
- Northeast:** Daniels, Sheridan, Roosevelt, Richland, Dawson, Prairie, Rosebud, Carbon, Big Horn, Powder River.
- Central:** Wheatland, Golden Valley, Musselshell, Petroleum, Garfield, Custer, Fallon, Carter.
- Southwest:** Beaverhead, Madison.
- Southcentral:** Carbon.

*We sincerely appreciate the following contributions to this year's bulletin:*

DON GREYTAK for all pencil drawings throughout the bulletin.

MONTANA FARMER-STOCKMAN MAGAZINE for State Seal color separation.

# MONTANA AGRICULTURAL STATISTICS

VOLUME XXVI

OCTOBER 1989

STATE OF MONTANA

STAN STEPHENS, GOVERNOR

MONTANA DEPARTMENT OF AGRICULTURE

EVERETT SNORTLAND, DIRECTOR

*COOPERATING WITH*

U.S. DEPARTMENT OF AGRICULTURE  
NATIONAL AGRICULTURAL STATISTICS SERVICE

CHARLES E. CAUDILL, ADMINISTRATOR

*COMPILED BY*

MONTANA AGRICULTURAL STATISTICS SERVICE

FEDERAL BUILDING and U.S. COURTHOUSE  
P.O. BOX 4369  
HELENA, MONTANA 59604  
PHONE: (406) 449-5303

LYLE H. PRATT, STATE STATISTICIAN

CURTIS E. LUND, DEPUTY STATE STATISTICIAN

## LIVESTOCK, CROPS & DATA PROCESSING

Sid Lebahn  
Steve Susemihl  
Bonnie Heller  
Ron Schumacher  
Kayla Sherburn

Ray Stack  
Perry Game  
Vicki McCall  
Billye Vincent

## ADMINISTRATIVE & SUPPORT

Ann Bossell  
Wendy Bruski  
Violet Smith  
Elma St. Clair  
Carol Carlson  
Linda McCauley



State of Montana  
Office of the Governor  
Helena, Montana 59620  
406-444-3111

STAN STEPHENS  
GOVERNOR



## COMMENTS FROM THE GOVERNOR

1988 was a year hit hard by drought. However, timely moisture, higher prices, and a general feeling of optimism during this, our centennial year, have resulted in a much improved economic picture in Montana Agriculture. The dedication and hard work of farm and ranch business men and women will continue to have a profound impact on the state as we enter into the 1990's.

Access to information necessary to make sound business decisions certainly compliments our efforts to improve the business environment in our great state. It is my belief that the information provided through the private-public relationship that has developed with respect to the collection of the agricultural statistics contained in this bulletin is a valuable element of success in the business of agriculture. These statistics help agricultural producers evaluate alternatives and make informed decisions, putting them on a more equal footing in the markets with which they must deal.

As Governor, my goal is to see Montana prosper. A strong agricultural industry is paramount to economic growth.

Sincerely,

A handwritten signature in cursive script, reading "Stan Stephens".

Stan Stephens  
Governor



STAN STEPHENS  
GOVERNOR

STATE OF MONTANA  
DEPARTMENT OF AGRICULTURE

OFFICE OF THE DIRECTOR  
AGRICULTURE/LIVESTOCK BLDG.  
CAPITOL STATION  
HELENA, MONTANA 59620-0201

TELEPHONE:  
(406) 444-3144

FAX (406) 444-5409

EVERETT M. SNORTLAND  
DIRECTOR



## MESSAGE FROM THE DIRECTOR

The statistics presented in this years agricultural statistics bulletin vividly depict the 1988 drought. Statewide statistics reflect the fact that crop and livestock production in virtually all of Montana was affected by the lack of moisture. Fortunately, crop insurance and other government assistance programs combined with improved prices to offset some of the financial loss that would have

otherwise been incurred. This buffer helped producers get through a tough period and in position to benefit from this years much more favorable weather/production conditions.

As a business, agriculture faces many uncontrollable factors. The influences that result in the dynamic nature of our industry make access to reliable information an essential aspect of conducting business. The information found in this bulletin can help reduce some of the uncertainties and facilitate more informed decisions.

Sincerely,

A handwritten signature in cursive script that reads "Everett".

Everett Snortland  
Director



## NOTES FROM THE STATE STATISTICIAN

We are pleased and proud to present to the citizens of Montana this special *Centennial Edition* of Montana Agricultural Statistics. This twenty-sixth volume continues a series of data measuring Montana's agricultural production dating back to 1867--22 years prior to statehood. Montana's image was built upon cattlemen and cowboys. Beef production

was the first agricultural enterprise in Montana. The cattle industry developed to support the hearty appetites of the miners, then expanded to feed a rapidly growing nation.

A look back to 1889 shows Montana's cattle herd numbered 1,050 thousand head. That's less than half of the 2,350 thousand head on hand January 1, 1989. Montana farmers harvested only 26 thousand acres of wheat in 1889 compared with 5,435 thousand acres in 1989. Sheep outnumbered cattle back in '89. The 1,857 thousand head on hand January 1, 1889 were over three times the 568 thousand on hand this year.

We appreciate the excellent cooperation provided by Montana farmers, ranchers, and agribusinessmen who voluntarily contributed to this publication by answering survey questionnaires. Thanks also to our dedicated staff of statisticians, support personnel, and field and phone enumerators who collected and summarized this information. A special thanks to Wendy Bruski who had overall responsibility for layout, design, and conversion of this year's bulletin to laser print technology and to Ron Schumacher and Bonnie Heller who prepared the maps and graphs.

A handwritten signature in cursive script that reads "Lyle H. Pratt". The signature is written in dark ink and is positioned above the printed name.

Lyle H. Pratt  
State Statistician

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(on back cover)

## MONTANA DEPARTMENT OF AGRICULTURE

The Department of Agriculture, through the Director, is responsible for administration of a \$6.5 million annual budget with 81.33 full-time and 10 seasonal employees. The Director oversees the department's four divisions and nine bureaus. The function of each division is summarized below.

**The Centralized Services Division** performs technical, fiscal, and administrative support functions for the department. Responsibilities of the division include activities for internal operations of the department.

**The Environmental Management Division** is responsible for the registration of 4,700 pesticide products; the training, certification and licensing of 1,257 commercial and government applicators, 878 operators, 544 pesticide dealers, and 7,538 private applicators. The division is also responsible for enforcement of the pesticide act and rules; providing technical environmental services to agriculture; providing an evaluation of pest management problems and programs; and providing analytical laboratory and consultative services to other agencies and the public.

The Vertebrate Pest Management program provides on-site demonstrations, educational materials and technical bulletins to assist producers in reducing damage caused by field rodents, birds and other larger mammals.

The Weed Control program is responsible for administering statewide efforts aimed at control and/or eradication of noxious and other weeds.

**The Plant Industry Division** is responsible for the administration and enforcement of regulatory laws controlling the production, manufacturing, and marketing of agricultural commodities exported from or distributed within Montana. The division investigates consumer complaints; performs technical inspections and surveys; issues federal-state grade certificates; and provides regulatory technical expertise and licenses for 4,900 bee yards, 650 nurseries, 650 feed dealers, 250 fertilizer dealers, 400 seed dealers, and 325 grain merchandisers. The division also registers some 3,300 commercial feed products and 1,000 fertilizers. The division's grain laboratory in Great Falls provides the only official grain grading services in the state.

The 51st Legislature created the Montana Mint Committee in HB 360. The Plant Industry Division provides administrative support to the committee.

**The Agricultural Development Division** is responsible for administering programs directed at promoting and enhancing Montana agriculture. The Agriculture Finance program is responsible for making grants and lower interest-rate loans available to rural youth, rural youth organizations, and other qualified farmers and ranchers. The division's Agricultural Assistance program is responsible for providing peer counseling, financial consulting, and debt mediation assistance. The State Hail Insurance program insures any type of crop growing in Montana from losses caused by hail damage.

The Marketing Program is responsible for market enhancement and development through direct market development activities and through grants and seed capital investments in new/innovative marketing and product developments. Statewide agricultural statistics and projections are developed through a Federal/State cooperative agreement administered through the division, which are made available through a comprehensive agricultural statistics bulletin and grain movement summary along with other production, price, and income reports. The division is also responsible for promoting and encouraging intensive scientific and practical research in all phases of wheat culture, production, and marketing under the guidelines and policies developed by the Montana Wheat and Barley Committee.



## **MONTANA CROP, LIVESTOCK, AND WEATHER DIGEST, 1988**

**JANUARY:** A warm and very dry month with no snow cover. Wind damage to winter wheat was light. The crop was in mostly fair condition. Grazing was open in most areas.

**FEBRUARY:** Mild temperatures continued. Precipitation varied with much of central Montana receiving above normal amounts. The west and southwest were dry. Winter wheat was mostly in fair to good condition. Grazing, difficult at mid-month, was mostly open at month's end.

**MARCH:** Temperatures were above normal. Precipitation was varied with most areas receiving less than normal. Winter wheat remained in mostly fair to good condition. Wind damage was light to moderate.

**APRIL:** A very dry month. Soil moisture was mostly short in all areas. Seeding was ahead of normal, but emergence was slow. Hay and range grass growth was severely retarded.

**MAY:** Drought worsens. Winter wheat headed out in the driest areas. About one-third of the spring crop was very poor to poor, two-thirds fair to good. Stockwater shortages were widespread. Some ranges remained dormant. Weather warm and dry.

**JUNE:** Drought became critical. About three-fourths of all crops and ranges in very poor to poor condition. Weather mostly hot and dry.

**JULY:** Showers the first week gave a brief respite from the drought, but then a steady deterioration developed to month's end. Grain harvest started well ahead of normal because of drought-induced maturity. Livestock feed and stockwater shortages became critical.

**AUGUST:** Heat and drought continued in spite of widespread but localized showers. Winter wheat seeding delayed. Nearly all small grain crops harvested. About half of all livestock moved off of summer ranges.

**SEPTEMBER:** Cool weather and rains started about mid-month which gave encouragement for winter wheat seeding. By month's end soil moisture shortages had been eased in two-thirds of the state. Livestock movement from summer ranges slowed.

**OCTOBER:** Winter wheat seeding was completed during the first two weeks. Harvesting of row crops was completed well ahead of normal. The month ended with soil moisture supplies nearly 60% short. Emerged winter wheat condition was mostly fair to good.

**NOVEMBER:** Soil moisture shortages continued. Snowfall at mid-month provided protection for winter wheat but slowed grazing. Weather was mostly warm and dry.

**DECEMBER:** Soils remained dry although precipitation was above normal. Temperatures were mostly warm. Winter wheat was in fair to good condition. Hay and stubble fields were open for grazing.

# CLIMATOLOGICAL DATA: Precipitation and Number of Days Between Freezing Temperatures 1987-1988

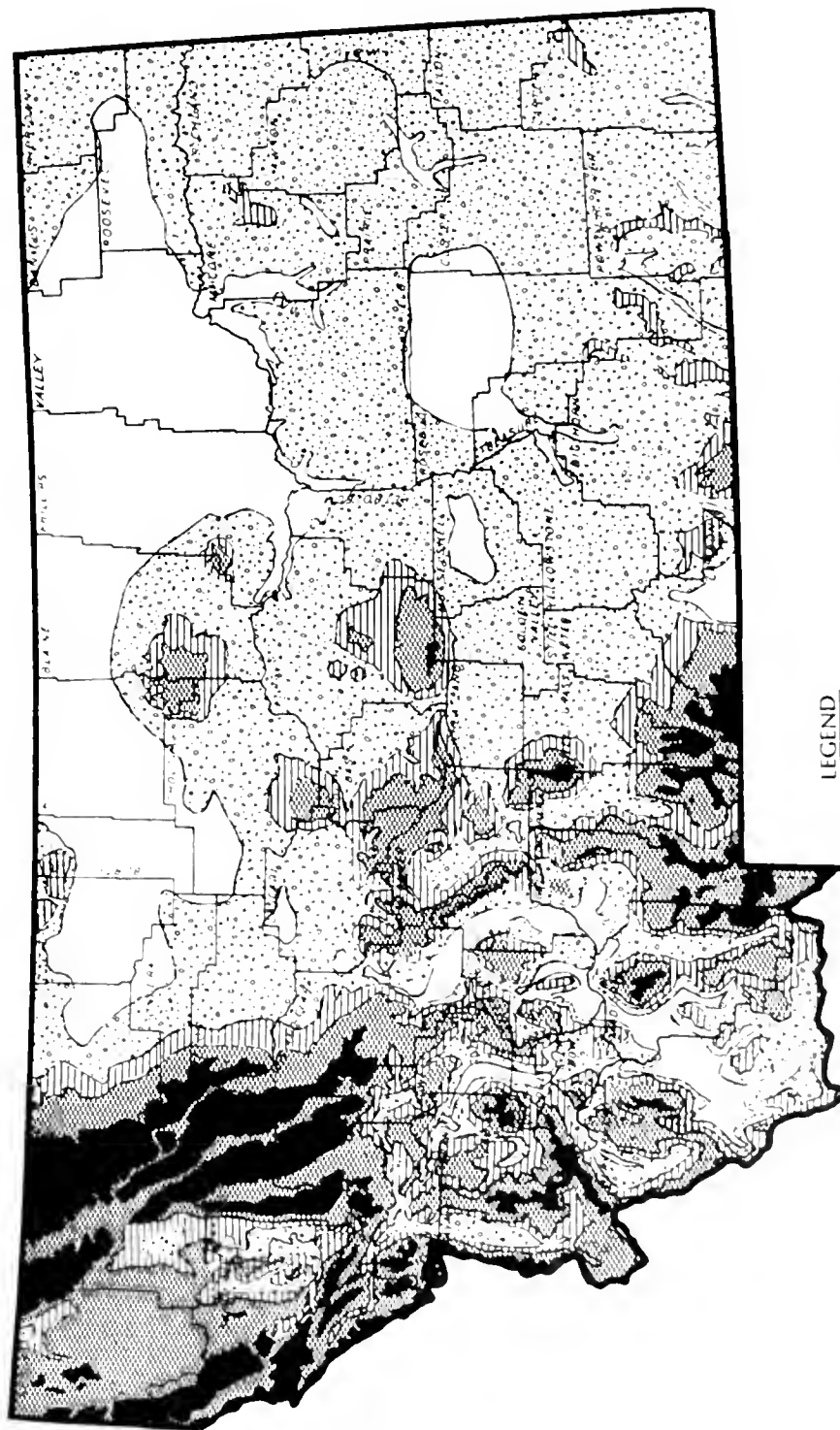
COUNTY & DISTRICT	STATIONS	PRECIPITATION						FROST FREE DAYS <sup>1</sup>		
		ANNUAL		APRIL - SEPTEMBER						
		1987	1988	Normal <sup>2</sup>	1987	1988	Normal <sup>2</sup>	1987	1988	Normal <sup>3</sup>
		--Inches--						--Days--		
Deer Lodge	Anaconda	13.96	9.19	--	11.10	5.77	--	106	73	--
Flathead	Kalispell	15.54	14.94	15.93	9.20	8.52	8.55	106	116	135
Granite	Philipsburg	13.29	14.39	14.22	10.77	10.93	9.77	18	8	55
Lake	St. Ignatius	15.22	12.62	16.18	11.00	8.48	9.91	138	117	119
Lincoln	Fortune	11.00	--	17.25	7.22	--	9.60	98	--	39
Mineral	Superior	9.65	15.04	17.46	5.29	6.59	8.14	118	117	85
Missoula	Missoula	10.13	11.07	13.29	6.85	6.79	7.30	107	104	112
Powell	Ovando	10.64	10.68	--	7.99	6.11	--	18	7	39
Ravalli	Hamilton	10.89	11.42	13.11	7.35	7.65	7.11	118	83	122
Sanders	Thompson Falls	15.50	20.69	22.77	8.10	8.16	8.83	121	117	115
<b>NORTHWEST</b>	<b>Averages</b>	<b>12.58</b>	<b>13.34</b>	<b>16.28</b>	<b>8.49</b>	<b>7.67</b>	<b>8.65</b>	<b>95</b>	<b>82</b>	<b>91</b>
Blaine	Chinook	--	--	11.93	8.14	--	9.05	144	--	119
Chouteau	Ft. Benton	9.11	10.67	14.60	7.03	7.69	10.24	119	139	127
Glacier	Cut Bank	12.04	9.07	11.99	9.47	6.70	9.81	118	110	108
Hill	Havre	8.23	6.38	11.17	6.83	4.31	8.14	168	128	138
Liberty	Joplin	--	--	10.58	--	--	8.67	--	--	115
Phillips	Malta	12.90	9.59	--	10.85	7.55	--	155	117	131
Pondera	Valier	12.69	9.31	12.28	10.33	7.64	10.05	138	131	114
Teton	Fairfield	12.47	9.25	12.51	10.84	6.97	9.80	141	131	125
<b>NORTH CENTRAL</b>	<b>Averages</b>	<b>11.24</b>	<b>9.05</b>	<b>12.15</b>	<b>9.07</b>	<b>6.81</b>	<b>9.39</b>	<b>140</b>	<b>126</b>	<b>122</b>
Daniels	Scobey	--	10.24	13.49	--	8.54	10.24	--	98	116
Dawson	Glendive	12.12	6.80	13.45	10.24	4.39	10.55	168	153	139
Garfield	Jordan	11.79	8.41	12.54	9.96	5.89	9.74	121	116	108
McCone	Vida	14.45	--	15.70	12.98	5.05	11.93	169	138	110
Richland	Savage	--	7.28	13.86	--	4.25	11.36	158	152	131
Roosevelt	Culbertson	12.87	6.93	14.29	11.38	4.96	11.40	108	107	114
Sheridan	Medicine Lake	11.83	8.53	14.30	10.66	6.39	11.44	172	138	107
Valley	Glasgow	9.24	7.48	11.55	7.69	5.90	9.07	172	138	124
<b>NORTHEAST</b>	<b>Averages</b>	<b>12.05</b>	<b>7.95</b>	<b>13.65</b>	<b>10.49</b>	<b>5.67</b>	<b>10.72</b>	<b>153</b>	<b>130</b>	<b>119</b>
Broadwater	Townsend	9.09	7.42	11.11	8.12	6.11	8.17	106	116	119
Cascade	Great Falls	14.04	11.80	15.24	11.38	8.20	10.20	139	131	135
Fergus	Lewistown	16.18	12.80	17.66	13.36	8.53	12.75	70	121	107
Golden Valley	Barber	11.21	--	12.49	10.00	--	9.41	138	103	108
Judith Basin	Stanford	13.97	16.69	15.34	10.97	11.40	11.51	129	115	104
Lewis & Clark	Helena	10.03	10.03	11.37	8.22	7.11	7.79	128	116	134
Meagher	White Sulphr Spgs	14.25	8.87	15.77	12.46	6.51	9.16	84	113	97
Musselshell	Roundup	15.74	10.49	12.01	14.32	6.66	9.31	150	139	129
Petroleum	Flatwillow	12.54	10.91	13.33	11.01	8.00	10.16	128	154	122
Wheatland	Harlowton	13.51	10.02	12.88	11.41	6.90	9.67	120	103	96
<b>CENTRAL</b>	<b>Averages</b>	<b>13.06</b>	<b>11.00</b>	<b>13.72</b>	<b>11.13</b>	<b>7.71</b>	<b>9.81</b>	<b>119</b>	<b>121</b>	<b>115</b>
Beaverhead	Dillon	14.60	7.85	9.53	13.31	6.75	7.18	106	73	99
Gallatin	Bozeman	15.55	15.61	18.63	13.17	10.64	12.20	120	131	107
Madison	Virginia City	15.83	13.46	16.26	13.82	9.44	11.29	106	72	94
Silver Bow	Butte	12.80	8.32	11.73	10.04	5.50	8.58	75	7	81
<b>SOUTHWEST</b>	<b>Averages</b>	<b>14.70</b>	<b>11.31</b>	<b>14.04</b>	<b>12.59</b>	<b>8.08</b>	<b>9.81</b>	<b>102</b>	<b>71</b>	<b>95</b>
Big Horn	Crow Agency	15.43	11.86	15.31	12.36	6.93	10.39	150	140	125
Carbon	Red Lodge	24.13	22.33	25.02	16.84	12.69	15.34	107	119	104
Park	Livingston	13.75	10.16	15.12	12.23	5.65	10.67	106	114	116
Stillwater	Columbus	--	13.16	13.87	9.44	8.36	9.80	149	122	121
Sweet Grass	Big Timber	12.82	11.08	15.20	11.08	7.37	10.77	121	114	123
Treasure	Hysham	11.43	--	12.77	8.92	6.90	9.21	101	155	121
Yellowstone	Billings	12.46	10.36	15.09	9.93	6.37	9.55	172	155	132
<b>SOUTH CENTRAL</b>	<b>Averages</b>	<b>15.00</b>	<b>13.16</b>	<b>16.05</b>	<b>11.54</b>	<b>7.75</b>	<b>10.78</b>	<b>129</b>	<b>131</b>	<b>120</b>
Carter	Ekalaka	14.62	--	16.21	12.11	5.35	12.54	150	136	122
Custer	Miles City	13.33	5.27	14.11	12.12	2.80	10.29	169	167	150
Fallon	Plevna	13.52	6.48	13.21	11.38	4.34	10.34	150	116	118
Power River	Broadus	11.55	7.77	13.84	9.67	4.95	10.01	137	137	128
Prairie	Mildred	11.80	6.92	--	10.12	4.82	--	146	152	119
Rosebud	Forsyth	12.75	8.47	--	10.44	5.19	--	167	155	130
Wibaux	Wibaux	13.66	--	13.84	11.63	4.09	11.32	145	111	107
<b>SOUTHEAST</b>	<b>Averages</b>	<b>13.03</b>	<b>6.98</b>	<b>14.24</b>	<b>11.07</b>	<b>4.51</b>	<b>10.90</b>	<b>152</b>	<b>139</b>	<b>125</b>

<sup>1</sup> Days between last frost in spring to first frost in fall after June 30.

<sup>2</sup> Normal for period 1951-1980. <sup>3</sup> Normal for period 1941-1970. -- Data not available.

SOURCE: THE NATIONAL WEATHER SERVICE, GREAT FALLS, MONTANA-NOAA.

# AVERAGE ANNUAL PRECIPITATION



## LEGEND

0 - 12	20 - 40
12 - 16	40 & more
16 - 20	

## Inches

20 - 40	40 & more
---------	-----------

## Source

U.S.D.A. Soil Conservation Service  
Montana Water Resources Board  
National Weather Service

Based on period 1953-67

Montana Agricultural Statistics Service  
Helena, Montana

## MONTANA FACTS AND FIGURES

Montana's 1980 population, at 786,690, was up 13 percent from 1970. Population density, measured in people per square mile, was 5.3 in 1980--third lowest in the United States. Montana's 60.6 million acres of land in farms and ranches ranks second in the nation behind Texas.

### MONTANA POPULATION

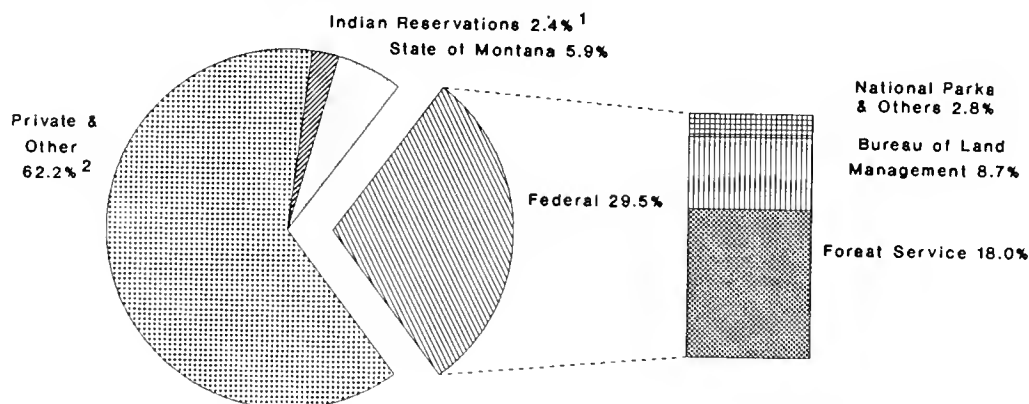
Total, 1980 Census	786,690
People Per Square Mile	5.3
Farm Population	67,546
People Per Farm	2.8

### LAND AND LAND UTILIZATION

Montana Total Land Area, Miles	147,138 Sq. Miles
Montana Total Land Area, Acres	93.2 Mil. Acres
All Land in Farms & Ranches <sup>1</sup>	60.6 Mil. Acres
Proportion of Land in Farms & Ranches	65 Percent

<sup>1</sup> 1989 Preliminary.

### MONTANA LAND AREA: Ownership as Percentage of Total



<sup>1</sup> Tribal lands only. <sup>2</sup> Includes roads, railroads, airports, etc.

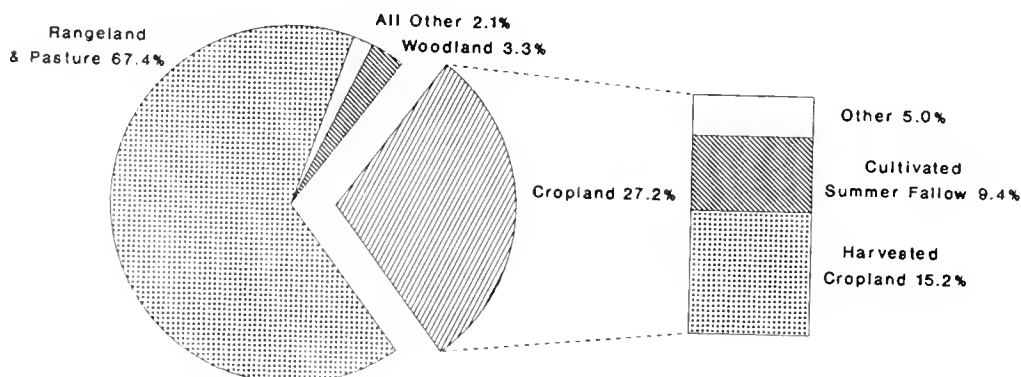
SOURCE: BLM "Public Land Statistics, 1983," USFS, BIA, State of Montana, Department of State Lands.

### FARM COUNTS AND MEASUREMENTS, 1987

Number of Farms & Ranches <sup>1</sup>	24,500	Real Estate Value/Farm or Ranch <sup>3</sup>	\$406,988
Average Size of Farm or Ranch <sup>1</sup>	2,482 Acres	Average Value Per Acre <sup>4</sup>	\$164
Total Farm & Ranch Assets <sup>2</sup>	\$14.2 Bil.	Farm & Ranch Debt Per Operation <sup>5</sup>	\$123,824
Average Value Per Farm or Ranch <sup>2</sup>	\$579,735		

<sup>1</sup> Places with annual sale of agricultural products of \$1,000 or more. <sup>2</sup> Includes household, buildings, machinery, livestock, crops, savings and investments. <sup>3</sup> Includes dwelling and other farm buildings. <sup>4</sup> Per acre, land and buildings, February 1, 1988. <sup>5</sup> Includes real estate, non-real estate, and CCC loans.

### LAND IN FARMS AND RANCHES: Utilization as Percentage of Total <sup>1</sup>



<sup>1</sup> 1987 U.S. Census of Agriculture.

## NUMBER OF FARMS, Montana, 1910-1949

Year	Number of Farms Thous.	Year	Number of Farms Thous.	Year	Number of Farms Thous.	Year	Number of Farms Thous.
1910 . . . . .	28.8	1920 . . . . .	57.7	1930 . . . . .	55.0	1940 . . . . .	44.5
1911 . . . . .	31.5	1921 . . . . .	57.0	1931 . . . . .	54.5	1941 . . . . .	42.0
1912 . . . . .	34.0	1922 . . . . .	55.0	1932 . . . . .	54.0	1942 . . . . .	41.0
1913 . . . . .	37.0	1923 . . . . .	52.5	1933 . . . . .	53.5	1943 . . . . .	40.8
1914 . . . . .	40.0	1924 . . . . .	51.0	1934 . . . . .	53.0	1944 . . . . .	40.6
1915 . . . . .	45.0	1925 . . . . .	50.0	1935 . . . . .	52.0	1945 . . . . .	40.4
1916 . . . . .	50.0	1926 . . . . .	51.0	1936 . . . . .	50.0	1946 . . . . .	39.8
1917 . . . . .	54.0	1927 . . . . .	52.5	1937 . . . . .	48.0	1947 . . . . .	39.2
1918 . . . . .	56.0	1928 . . . . .	53.5	1938 . . . . .	46.0	1948 . . . . .	38.5
1919 . . . . .	57.0	1929 . . . . .	54.0	1939 . . . . .	45.0	1949 . . . . .	37.8

## NUMBER OF FARMS, ALL LAND IN FARMS, AND AVERAGE SIZE OF FARMS, Montana, 1950-1989

Year	Number of Farms Thous.	All Land in Farms Thous. Acres	Average Size of Farms Acres
1950 . . . . .	37.2	65,000	1,747
1951 . . . . .	36.8	65,200	1,772
1952 . . . . .	36.4	65,500	1,799
1953 . . . . .	35.9	65,800	1,833
1954 . . . . .	35.4	66,100	1,867
1955 . . . . .	34.8	66,100	1,899
1956 . . . . .	34.2	66,200	1,936
1957 . . . . .	33.6	66,300	1,973
1958 . . . . .	33.0	66,500	2,015
1959 . . . . .	32.4	66,600	2,056
1960 . . . . .	31.7	66,700	2,104
1961 . . . . .	30.8	66,800	2,169
1962 . . . . .	30.1	66,800	2,219
1963 . . . . .	29.5	66,800	2,264
1964 . . . . .	28.9	67,200	2,325
1965 . . . . .	28.4	66,700	2,349
1966 . . . . .	28.0	66,200	2,364
1967 . . . . .	27.6	65,700	2,380
1968 . . . . .	27.1	65,200	2,406
1969 . . . . .	26.7	64,700	2,423
1970 . . . . .	26.4	64,200	2,432
1971 . . . . .	26.0	63,700	2,450
1972 . . . . .	25.5	63,200	2,478
1973 . . . . .	25.1	63,000	2,510
1974 . . . . .	24.6	62,800	2,553
1975 . . . . .	23.4 <sup>1</sup>	62,200	2,693
1976 . . . . .	23.4	62,200	2,658
1977 . . . . .	23.5	62,100	2,643
1978 . . . . .	23.6	62,100	2,631
1979 . . . . .	23.7	62,100	2,620
1980 . . . . .	23.8	61,900	2,601
1981 . . . . .	23.9	61,700	2,582
1982 . . . . .	24.0	61,500	2,563
1983 . . . . .	24.1	61,300	2,544
1984 . . . . .	24.2	61,100	2,525
1985 . . . . .	24.3	61,000	2,510
1986 . . . . .	24.4	60,900	2,496
1987 . . . . .	24.5	60,800	2,482
1988 . . . . .	24.6	60,700	2,467
1989 . . . . .	24.7	60,600	2,453

<sup>1</sup> Places which had annual sale of agricultural products of \$1,000 or more. Series initiated with 1975

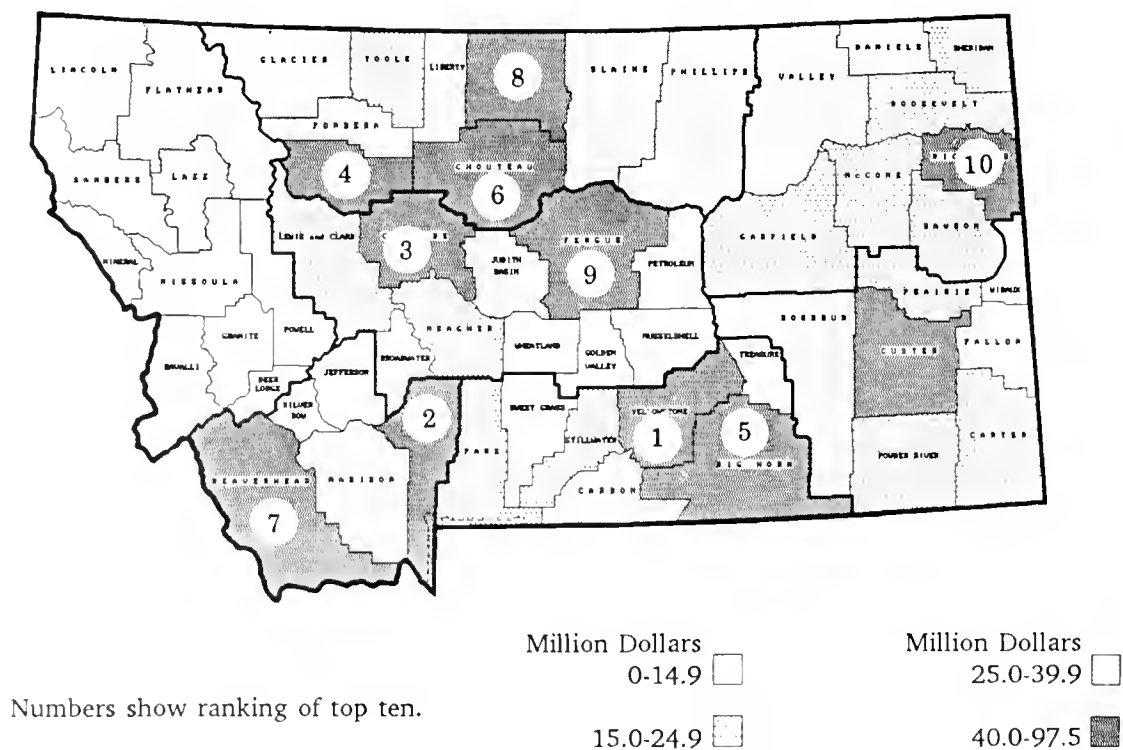
## NUMBER OF LIVESTOCK FARMS, Montana, 1982-1988

ITEM	1982	1983	1984	1985	1986	1987	1988
	--Thousands--						
All Cattle	16.0	16.3	16.6	16.2	16.0	15.7	15.7
Milk Cows	3.3	2.9	2.9	2.7	2.5	2.5	2.3
Hogs	2.0	1.8	1.8	1.6	1.4	2.0	2.0
All Sheep	2.5	2.7	2.8	2.9	2.9	2.9	3.1

# CASH RECEIPTS: From the Sale of Principal Products and Government Payments, Montana, 1979-1988

	Livestock & Livestock Products	Crops	Total Receipts from Marketing	Government Payments	Total All Cash Receipts
			---Thousand Dollars---		
1979 .....	805,889	580,578	1,386,467	33,997	1,420,464
1980 .....	746,877	652,847	1,399,724	58,484	1,458,208
1981 .....	629,224	780,983	1,410,207	85,131	1,495,338
1982 .....	654,022	898,355	1,552,377	116,916	1,669,293
1983 .....	657,285	830,158	1,487,443	230,324	1,717,767
1984 .....	716,563	662,969	1,379,532	239,609	1,619,141
1985 .....	803,540	427,853	1,231,393	220,876	1,452,269
1986 .....	652,099	471,769	1,123,868	344,450	1,468,318
1987 .....	747,315	608,063	1,355,378	352,330	1,707,708
1988 .....	816,200	569,853	1,386,053	386,734	1,772,787

## CASH RECEIPTS FROM FARM MARKETINGS-1987 EXCLUDING GOVERNMENT PAYMENTS



**CASH RECEIPTS: From Sale of Principal Products and Government Payments, 1987<sup>1</sup>**

COUNTY & DISTRICT	Livestock & Livestock Products	Crops	Total Receipts From Marketings --Thousand Dollars--	Government Payments	All Cash Receipts
Deerlodge .....	2,972	391	3,363	268	3,631
Flathead .....	14,683	10,562	25,245	2,352	27,597
Granite .....	8,970	488	9,458	160	9,618
Lake .....	20,381	12,286	32,667	1,889	34,556
Lincoln .....	1,821	187	2,008	2	2,008
Mineral .....	702	197	899	2	899
Missoula .....	6,017	1,245	7,262	351	7,613
Powell .....	11,034	1,998	13,032	451	13,483
Ravalli .....	22,510	3,703	26,213	522	26,735
Sanders .....	6,285	1,393	7,678	292	7,970
<b>NORTHWEST</b> .....	<b>95,375</b>	<b>32,450</b>	<b>127,825</b>	<b>6,285</b>	<b>134,110</b>
Blaine .....	15,708	12,451	28,159	12,028	40,187
Chouteau .....	14,555	36,664	51,219	33,518	84,737
Glacier .....	14,691	15,881	30,572	9,639	40,211
Hill .....	10,656	36,636	47,292	29,161	76,453
Liberty .....	7,478	21,135	28,613	12,383	40,996
Phillips .....	18,481	10,742	29,223	12,443	41,666
Pondera .....	9,667	28,287	37,954	16,070	54,024
Teton .....	28,661	27,914	56,575	16,418	72,993
Toole .....	5,600	18,254	23,854	14,045	37,899
<b>NORTH CENTRAL</b> .....	<b>125,497</b>	<b>207,964</b>	<b>333,461</b>	<b>155,705</b>	<b>489,166</b>
Daniels .....	4,479	10,392	14,871	11,176	26,047
Dawson .....	10,108	13,144	23,252	7,935	31,187
Garfield .....	16,448	6,074	22,522	6,003	28,525
McCone .....	6,769	12,565	19,334	10,568	29,902
Richland .....	18,129	26,521	44,650	9,406	54,056
Roosevelt .....	4,981	17,438	22,419	12,317	34,736
Sheridan .....	4,645	12,259	16,904	15,027	31,931
Valley .....	15,547	14,945	30,492	15,271	45,763
<b>NORTHEAST</b> .....	<b>81,106</b>	<b>113,338</b>	<b>194,444</b>	<b>87,703</b>	<b>282,147</b>
Broadwater .....	7,546	7,002	14,548	4,335	18,883
Cascade .....	43,591	19,318	62,909	11,035	73,944
Fergus .....	25,442	21,810	47,252	12,319	59,571
Golden Valley .....	8,446	2,188	10,634	3,408	14,042
Judith Basin .....	15,977	12,476	28,453	6,077	34,530
Lewis & Clark .....	12,258	4,350	16,608	1,383	17,991
Meagher .....	14,176	4,057	18,233	1,038	19,271
Musselshell .....	7,654	6,374	14,028	2,790	16,818
Petroleum .....	7,363	1,415	8,778	1,056	9,834
Wheatland .....	11,110	3,106	14,216	2,632	16,848
<b>CENTRAL</b> .....	<b>153,563</b>	<b>82,096</b>	<b>235,659</b>	<b>46,073</b>	<b>281,732</b>
Beaverhead .....	40,631	7,608	48,239	2,075	50,314
Gallatin .....	41,520	24,186	65,706	5,699	71,405
Jefferson .....	6,454	3,507	9,961	425	10,386
Madison .....	31,842	6,447	38,289	1,522	39,811
Silver Bow .....	2,960	492	3,452	2	3,452
<b>SOUTHWEST</b> .....	<b>123,407</b>	<b>42,240</b>	<b>165,647</b>	<b>9,721</b>	<b>175,368</b>
Big Horn .....	36,405	19,231	55,636	5,218	60,854
Carbon .....	22,719	13,422	36,141	2,661	38,802
Park .....	14,969	3,777	18,746	1,546	20,292
Stillwater .....	16,162	6,153	22,315	4,990	27,305
Sweet Grass .....	13,348	1,629	14,977	844	15,821
Treasure .....	7,867	5,853	13,720	980	14,700
Yellowstone .....	73,273	24,175	97,448	7,526	104,974
<b>SOUTH CENTRAL</b> .....	<b>184,743</b>	<b>74,240</b>	<b>258,983</b>	<b>23,765</b>	<b>282,748</b>
Carter .....	16,975	3,060	20,035	3,823	23,858
Custer .....	34,873	5,148	40,021	2,972	42,993
Fallon .....	10,067	4,237	14,304	4,380	18,684
Powder River .....	18,483	3,503	21,986	1,827	23,813
Prairie .....	11,286	5,326	16,612	2,930	19,542
Rosebud .....	24,429	11,001	35,430	4,078	39,508
Wibaux .....	4,369	2,537	6,906	3,020	9,926
<b>SOUTHEAST</b> .....	<b>120,482</b>	<b>34,812</b>	<b>155,294</b>	<b>23,030</b>	<b>178,324</b>
<b>MONTANA</b> .....	<b>884,173</b>	<b>587,140</b>	<b>1,471,313</b>	<b>352,330</b>	<b>1,823,643</b>

<sup>1</sup> Includes estimates of inter-farm sales and intra-state sales resulting in larger total cash receipts than shown in USDA estimates on other pages. <sup>2</sup> Less than \$50,000, estimates are included in state total.

SOURCE: Bureau of Economic Analysis, U.S. Department of Commerce, Washington D.C.

**CASH RECEIPTS: From Marketings by Commodities, Montana, 1984-1988 <sup>1</sup>**

ITEM	1984	1985	1986	1987	1988
--Thousand Dollars--					
<b>LIVESTOCK and PRODUCTS</b>					
Cattle and calves . . . .	597,832	689,332	537,562	622,071	693,345
Dairy products . . . . .	44,375	43,852	41,338	40,878	41,254
Sheep and lambs . . . .	19,302	24,584	19,865	23,326	19,302
Wool . . . . .	4,740	3,743	3,867	5,268	8,288
Hogs and pigs . . . . .	26,855	21,954	24,503	31,257	30,633
Eggs . . . . .	10,293	8,585	9,380	8,542	7,760
Chickens . . . . .	186	168	189	149	174
Other <sup>2</sup> . . . . .	12,980	11,322	15,395	15,824	15,444
TOTAL . . . . .	716,563	803,540	652,099	747,315	816,200
<b>CROPS</b>					
Wheat . . . . .	436,280	257,413	266,649	346,086	325,024
Barley . . . . .	129,732	60,799	86,528	139,325	109,208
Sugarbeets . . . . .	14,768	28,791	39,726	42,463	43,550
Hay . . . . .	47,476	49,187	45,721	38,940	54,437
Potatoes . . . . .	14,460	15,844	9,367	12,311	11,297
Oats . . . . .	2,252	1,247	888	1,583	2,075
Dry beans . . . . .	1,302	2,011	1,570	1,473	1,752
Corn . . . . .	1,637	1,538	1,283	1,442	2,218
Cherries . . . . .	932	2,255	480	2,280	1,042
All Other <sup>3</sup> . . . . .	14,130	8,768	19,557	22,160	19,250
TOTAL . . . . .	662,969	427,853	471,769	608,063	569,853
ALL COMMODITIES . . . .	1,379,532	1,231,393	1,123,868	1,355,378	1,386,053

<sup>1</sup> Revised <sup>2</sup> Includes honey, beeswax, bees; turkey & turkey eggs; rabbits; mink; and others <sup>3</sup> Includes other field crops and fruits; vegetables; seeds; and greenhouse, nursery and forest products.

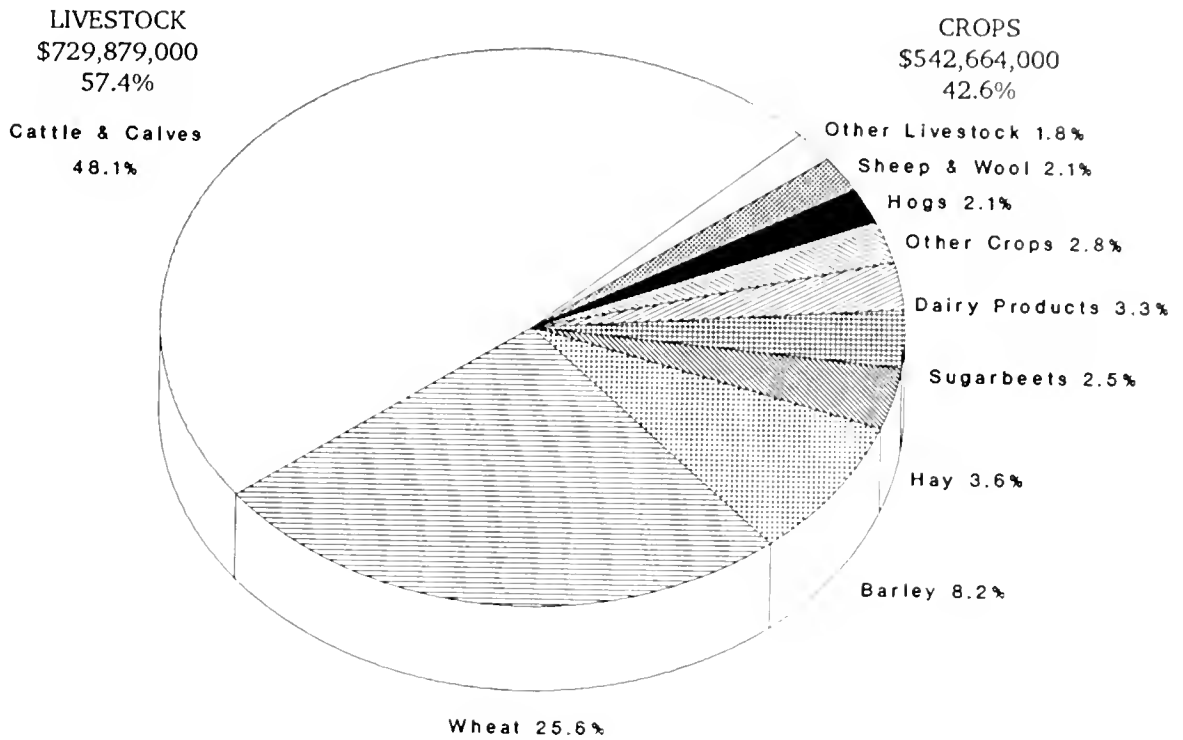
**CASH RECEIPTS: From Marketings by Commodities, as a Percent of Total Receipts For All Commodities, Montana, 1984-1988 <sup>1</sup>**

ITEM	1984	1985	1986	1987	1988
--Percent--					
<b>LIVESTOCK and PRODUCTS</b>					
Cattle and calves . . . .	43.3	56.0	47.8	45.9	50.0
Dairy products . . . . .	3.2	3.6	3.7	3.0	3.0
Sheep and lambs . . . .	1.4	2.0	1.8	1.7	1.4
Wool . . . . .	0.3	0.3	0.3	0.4	0.6
Hogs and pigs . . . . .	1.9	1.8	2.2	2.3	2.2
Chickens and eggs . . . .	0.8	0.7	0.9	0.6	0.6
Other . . . . .	0.9	0.9	1.4	1.2	1.1
TOTAL . . . . .	51.9	65.3	58.0	55.1	58.9
<b>CROPS</b>					
Wheat . . . . .	31.6	20.9	23.7	25.5	23.5
Barley . . . . .	9.4	4.9	7.7	10.3	7.9
Sugarbeets . . . . .	1.1	2.3	3.5	3.1	3.1
Hay . . . . .	3.4	4.0	4.1	2.9	3.9
Potatoes . . . . .	1.0	1.3	0.8	0.9	0.8
Other . . . . .	1.5	1.3	2.1	2.1	1.9
TOTAL . . . . .	48.1	34.7	42.0	44.9	41.1
ALL COMMODITIES . . . .	100.0	100.0	100.0	100.0	100.0

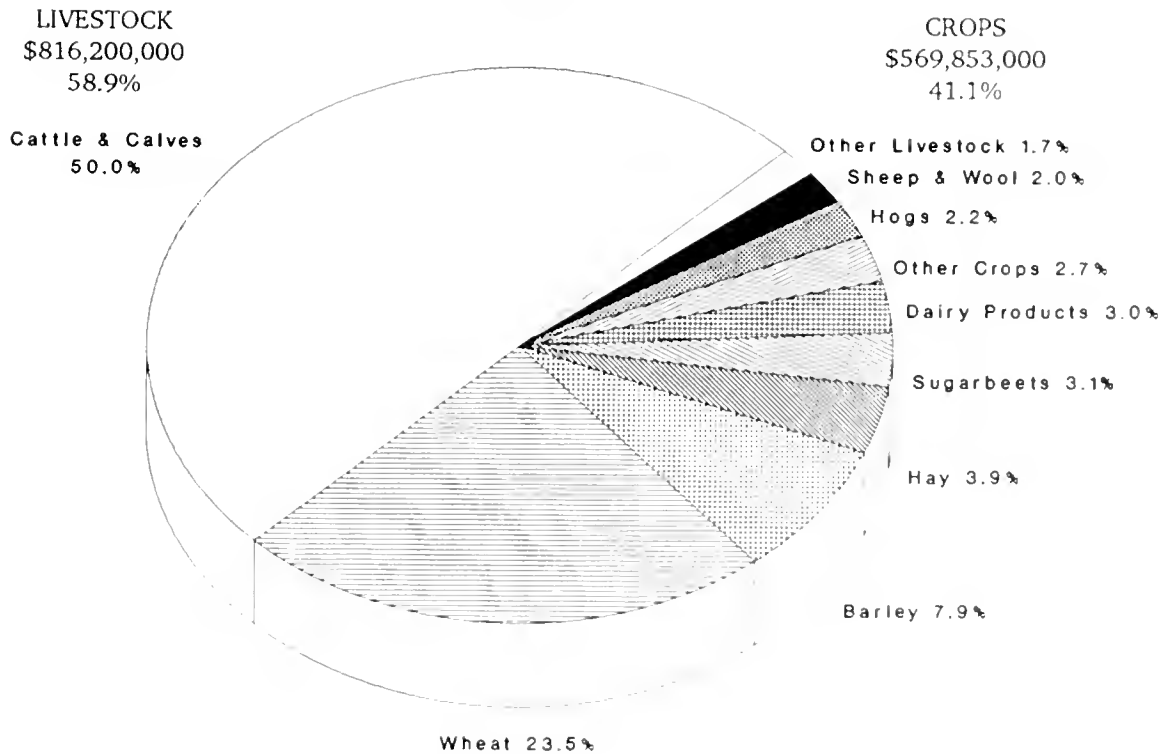
<sup>1</sup> Revised and details may not add to total because of rounding.



## CASH RECEIPTS FROM MARKETINGS OF COMMODITIES, MONTANA <sup>1</sup> 1984-1987 AVERAGE



### 1988



<sup>1</sup> Details may not add because of rounding.

**GROSS and NET INCOME FROM FARMING: Montana, 1984-1988 <sup>1</sup>**

ITEM	1984	1985	1986	1987	1988
			--Million Dollars--		
GROSS FARM INCOME <sup>2</sup>	1,632.2	1,272.3	1,771.0	1,858.4	1,715.1
CASH INCOME	1,633.2	1,469.5	1,482.1	1,724.5	1,787.5
Farm marketing	1,379.5	1,231.4	1,123.9	1,355.4	1,386.1
Crops	663.0	427.9	471.8	608.1	569.9
Livestock & products	716.6	803.5	652.1	747.3	816.2
Government payments	239.6	220.9	344.5	352.3	386.7
Other farm related income <sup>3</sup>	14.0	17.2	13.7	16.8	14.7
NONCASH INCOME	161.6	143.2	129.7	109.1	107.8
Value of home consumption	16.9	15.6	13.0	12.6	12.3
Rental value of dwellings	144.7	127.6	116.7	96.5	95.5
VALUE OF INVENTORY ADJUSTMENT	(162.6)	(340.3)	159.3	24.8	(180.3)
TOTAL PRODUCTION EXPENSES <sup>2</sup>	1,736.9	1,543.4	1,508.1	1,499.3	1,472.8
INTERMEDIATE PRODUCT EXPENSES	735.3	696.8	614.3	650.1	714.3
Farm origin	175.9	163.7	158.4	185.3	219.1
Feed purchased	121.1	105.3	91.3	101.9	135.5
Livestock & poultry purchased	32.1	36.3	47.5	63.6	63.0
Seed purchased	22.7	22.1	19.6	19.8	20.7
Manufactured inputs	279.0	255.0	194.9	199.0	209.0
Fertilizer & lime	85.7	69.2	47.4	51.9	57.1
Pesticides	48.3	50.5	45.4	46.4	47.7
Fuel & oil	123.6	114.0	82.9	76.9	78.6
Electricity	21.5	21.3	19.3	23.7	25.5
Other	280.4	278.0	261.0	265.8	286.1
Repairs & maintenance	89.9	89.3	88.7	89.9	91.5
Other miscellaneous <sup>4</sup>	190.5	188.7	172.3	176.0	194.7
INTEREST	421.5	368.6	335.2	304.9	281.9
Real estate	225.4	221.2	204.5	182.0	169.6
Nonreal estate	196.1	147.4	130.7	122.9	112.3
CONTRACT & HIRED LABOR <sup>5</sup>	91.9	92.8	93.4	102.1	105.7
NET RENT FOR NON-OPERATOR LANDLORD	115.0	59.8	138.9	137.2	105.2
CAPITAL CONSUMPTION	299.7	244.6	245.8	225.6	189.1
PROPERTY TAXES	73.6	80.9	80.5	79.3	76.6
NET FARM INCOME	(104.7)	(271.1)	262.9	359.1	242.3

<sup>1</sup> Details may not add to total because of rounding.<sup>2</sup> Includes operator dwelling.<sup>3</sup> Includes forest products sales, recreational income, and other farm business-related income.<sup>4</sup> Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses.<sup>5</sup> Includes contract labor expenses, hired labor wages and social security payments.

SOURCE: Economic Indicators of the Farm Sector, State Income and Balance Sheet Statistics, USDA-ERS.



## AGRICULTURAL SALES HIGHER IN 1988

A comparison of selected Montana industries shows a 4 percent increase in agricultural cash income for 1988 in spite of a major drought. A closer look shows crop sales were up 2 percent, livestock sales up 9 percent while government payments increased by 10 percent.

Gross sales in other industries were mixed. Travel receipts were up 12 percent while mining was up 24 percent. Gas and oil dropped 21 percent along with lumber which was off 3 percent.

	<u>1986</u>	<u>1987</u>	<u>1988</u>
	--Millions of Dollars--		
Agriculture	1,468.3	1,707.7	1,772.8
Mining	586.9	712.6	883.4
Gas & Oil	453.5	476.4	374.8
Travel	854.3	905.2	1,014.0
Lumber	820.0	900.0	875.0

<sup>1</sup> Cash income including government payments.

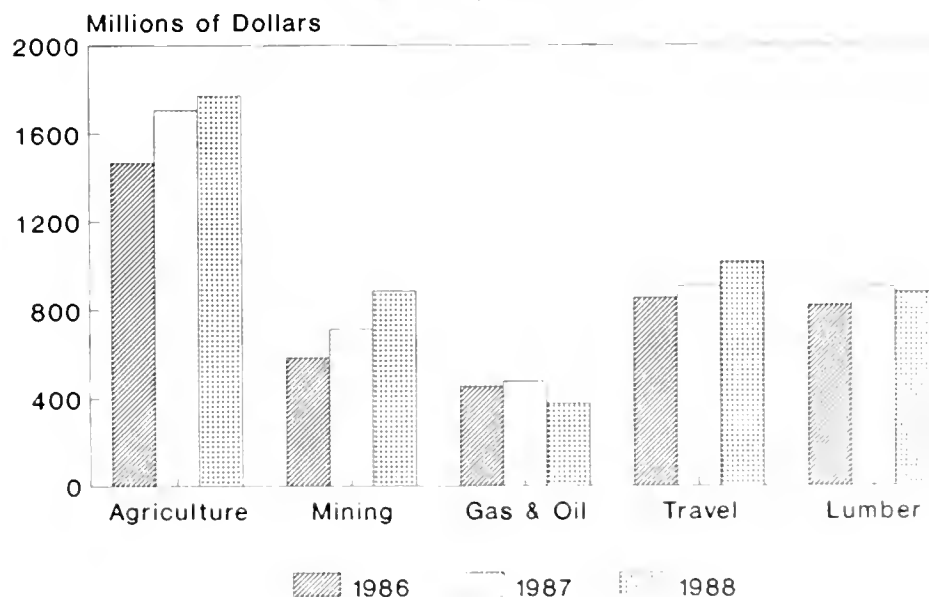
<sup>2</sup> Gross value, Montana Department of Revenue.

<sup>3</sup> Montana Department of Commerce, Promotion Division.

<sup>4</sup> Bureau of Business and Economic Research, University of Montana.

## A COMPARISON OF SELECTED INDUSTRIES

Montana, 1986-1988



# **PRICES RECEIVED BY MONTANA FARMERS: Selected Commodities By Months, 1985-1989**

Crop & Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Avg.
<b>ALL WHEAT</b>													
	--Dollars per Bushel--												
1985	3.52	3.47	3.49	3.51	3.54	3.49	3.36	3.26	3.40	3.51	3.65	3.67	3.49
1986	3.60	3.55	3.55	3.50	3.49	3.03	2.62	2.33	2.32	2.38	2.53	2.56	2.96
1987	2.65	2.54	2.54	2.56	2.64	2.57	2.34	2.38	2.57	2.66	2.78	2.74	2.58
1988	2.78	2.81	2.85	2.87	2.95	3.25	3.68	3.86	3.95	3.96	3.98	4.04	3.42
1989	4.01	4.02	4.08	4.13	4.06	4.10	4.00	3.81					
<b>WINTER WHEAT</b>													
1985	3.44	3.37	3.39	3.38	3.41	3.35	3.21	3.19	3.26	3.33	3.45	3.51	3.36
1986	3.43	3.36	3.22	3.24	3.18	2.65	2.43	2.20	2.19	2.24	2.36	2.40	2.74
1987	2.49	2.42	2.44	2.43	2.51	2.52	2.28	2.30	2.36	2.50	2.68	2.68	2.47
1988	2.73	2.77	2.80	2.82	2.83	3.01	3.30	3.31	3.55	3.79	3.83	3.89	3.22
1989	3.93	3.93	4.02	4.05	3.99	4.09	3.98	3.82					
<b>SPRING WHEAT EXCLUDING DURUM</b>													
1985	3.64	3.59	3.62	3.73	3.74	3.69	3.54	3.32	3.49	3.58	3.81	3.83	3.63
1986	3.83	3.84	3.88	3.76	3.83	3.24	2.87	2.50	2.43	2.47	2.65	2.67	3.16
1987	2.79	2.64	2.65	2.66	2.77	2.56	2.31	2.46	2.61	2.66	2.80	2.74	2.64
1988	2.78	2.83	2.87	2.87	2.98	3.26	3.74	3.94	4.11	4.10	4.04	4.07	3.47
1989	4.16	4.11	4.20	4.20	4.15	4.12	4.04	3.81					
<b>BARLEY</b>													
1985	2.46	2.20	2.11	2.13	2.06	2.02	2.20	1.96	2.05	2.26	2.12	2.06	2.14
1986	2.13	2.10	1.93	1.92	1.87	1.70	2.20	1.48	1.41	1.45	1.51	1.55	1.77
1987	1.62	1.63	1.70	1.64	1.68	1.63	2.13	1.84	2.09	1.62	2.06	2.07	1.81
1988	1.68	1.77	1.65	1.64	1.60	1.84	2.67	2.76	2.81	2.90	3.03	2.92	2.27
1989	2.95	2.98	2.76	2.86	2.72	2.41	2.15	2.61					
<b>ALL HAY</b>													
	--Dollars per Ton--												
1985	77.00	81.00	79.00	82.00	82.00	81.00	81.00	81.00	81.00	83.00	83.00	83.00	81.17
1986	85.00	89.00	90.00	90.00	84.00	72.00	55.00	55.00	51.00	53.00	52.00	51.00	68.92
1987	51.00	46.00	45.00	45.00	45.00	50.00	50.00	47.00	46.00	47.00	47.00	45.00	47.00
1988	46.00	43.00	41.00	41.00	42.00	60.00	70.00	82.00	87.00	89.00	89.00	89.00	64.92
1989	93.00	92.00	99.00	104.00	101.00	85.00	67.00	70.00					
<b>BEEF CATTLE</b>													
	--Dollars per Hundredweight--												
1985	49.40	54.30	51.90	52.70	49.10	43.60	41.80	43.50	45.10	46.70	47.40	42.30	47.32
1986	46.40	49.60	49.30	46.20	46.70	44.00	43.10	48.00	53.60	54.60	51.20	47.60	48.36
1987	55.30	59.40	60.10	61.40	56.10	51.80	51.90	59.00	67.90	67.80	62.00	60.30	59.42
1988	68.10	70.60	69.40	66.50	61.30	54.60	53.30	63.50	69.00	68.70	62.60	63.40	64.25
1989	68.20	71.50	67.20	62.60	60.90	55.10	55.20	63.80					
<b>STEERS &amp; HEIFERS</b>													
1985	62.50	63.90	60.90	61.40	59.30	54.80	54.50	52.10	52.40	56.50	57.40	55.30	57.58
1986	56.50	58.00	55.50	52.40	53.70	53.30	51.80	55.20	58.30	60.20	61.10	61.20	56.43
1987	63.50	66.70	67.00	68.80	67.90	65.30	65.70	68.50	71.60	74.00	75.00	74.10	69.00
1988	80.30	78.70	77.80	75.00	73.10	70.20	69.50	75.50	76.20	81.80	79.10	79.10	76.36
1989	81.20	79.80	75.90	73.80	73.10	71.30	69.20	76.40					
<b>COWS</b>													
1985	35.90	41.70	40.90	39.70	39.00	37.60	34.10	34.80	33.30	32.10	32.40	31.60	36.09
1986	34.00	38.50	37.90	34.60	36.30	36.50	37.30	37.10	36.50	35.10	35.10	35.50	36.20
1987	40.10	45.70	47.40	44.50	44.20	44.60	44.40	44.70	45.90	44.30	42.70	44.80	44.44
1988	48.30	51.60	49.80	50.70	49.50	45.10	46.30	45.50	45.70	44.30	42.50	44.30	46.97
1989	45.20	47.80	46.90	45.70	46.00	46.40	48.00	48.50					
<b>CALVES</b>													
1985	63.20	66.30	65.80	67.60	64.60	59.50	64.60	65.40	58.10	61.70	61.30	56.60	62.89
1986	60.30	59.90	60.60	59.50	60.40	59.10	58.30	61.40	62.60	62.90	62.90	66.80	61.23
1987	70.40	72.90	72.10	74.90	72.30	74.50	72.50	85.70	88.30	83.50	84.00	85.90	78.08
1988	90.10	90.50	91.70	86.70	84.30	81.80	92.90	97.00	91.30	90.20	91.10	89.00	89.72
1989	90.20	92.20	88.60	85.10	86.30	87.70	83.90	92.40					
<b>LAMBS</b>													
1985	63.70	67.10	66.50	56.80	58.00	65.20	69.80	69.70	68.90	64.20	63.60	59.90	64.45
1986	66.80	69.60	59.60	57.60	58.40	68.10	70.80	66.60	64.30	64.10	71.30	76.30	66.13
1987	78.00	77.00	75.50	70.50	66.50	81.60	78.50	79.30	81.30	82.60	76.90	82.70	77.53
1988	90.60	80.20	72.80	68.70	72.20	62.50	61.30	61.90	63.60	67.60	70.00	71.20	70.22
1989	69.00	68.40	67.50	61.30	65.10	68.50	65.50	67.60					
<b>HOGS</b>													
1985	43.00	43.40	38.50	36.10	36.10	37.10	37.80	35.60	31.50	35.60	35.40	35.00	37.09
1986	35.40	35.80	33.60	35.50	40.10	45.50	50.40	53.20	49.20	46.70	44.60	45.80	42.98
1987	42.20	44.10	41.60	44.00	47.60	52.90	53.90	52.20	48.50	43.00	33.60	33.20	44.73
1988	33.60	40.10	35.90	34.80	40.40	40.50	38.20	40.40	35.40	34.00	31.30	33.90	36.54
1989	36.60	38.20	34.50	31.40	35.60	36.80	37.40	40.80					

**FERTILIZER AND FERTILIZER MATERIALS SOLD IN MONTANA <sup>1</sup>**

MATERIALS	1983	1984	1985	1986 --Tons--	1987	1988
Anhydrous Ammonia . . . . .	62,645	45,870	32,827	34,970	45,567	22,181
Ammonium Nitrate . . . . .	67,855	80,416	64,862	63,729	63,469	54,121
Ammonium Sulfate . . . . .	11,699	10,995	7,361	6,380	8,334	7,531
Ammonium Thiosulfate . . . . .	4,957	3,272	1,135	1,230	1,702	836
Urea . . . . .	46,033	39,684	34,726	39,725	71,185	52,774
Nitrogen Solutions . . . . .	25,830	19,396	13,145	22,416	14,087	10,178
0-44-0, 0-45-0 . . . . .	4,005	3,699	3,332	11,664 <sup>2</sup>	8,567 <sup>2</sup>	6,334 <sup>2</sup>
Phosphoric Acid . . . . .	1,565	1,110	1,434	--	--	--
Potash . . . . .	18,100	18,559	16,553	17,421	19,477	17,186
Compost . . . . .	772	197	924	1,787	1,525	730
Gypsum, Lime & Sulphur . . . .	4,619	4,027	1,994	2,083	1,499	1,541
Micronutrient Materials . . . . .	1,368	1,115	1,423	352	813	608

**AMMONIATED PHOSPHATES & MIXTURES**

18-46-0 . . . . .	65,148	50,984	51,446	48,063	54,282	34,004
16-20-0 . . . . .	17,512	16,033	17,170	14,375	12,991	10,866
11-48-0 - 11-55-0 . . . . .	81,758	78,492	58,429	57,992 <sup>3</sup>	74,877 <sup>3</sup>	52,891
30-10-0 . . . . .	1,349	1,016	536	599	789	625
10-34-0 (Liquid) . . . . .	14,228	10,799	7,326	7,946	8,183	5,004
2-1-0 Ratios . . . . .	3,215	4,721	2,843	1,885	2,851	933
1-1-0 Ratios . . . . .	1,022	2,410	1,396	628	680	494
1-1-1 Ratios . . . . .	1,031	1,823	383	1,399	1,335	469
Misc. Custom Blends . . . . .	10,472	10,862	6,157	2,983	1,292	310 <sup>4</sup>
Misc. Spec Fertilizers . . . . .	2,224	1,047	485	N/A	N/A	N/A
TOTAL All Fertilizers & Materials	447,407	406,567	325,887	337,627	393,505	279,616
TOTAL Nitrogen . . . . .	134,025	115,449	91,414	96,082	120,496	117,088
TOTAL Phosphate . . . . .	86,027	72,347	63,891	64,049	74,166	71,858
TOTAL Potash . . . . .	11,883	11,967	10,426	10,453	11,815	12,275

<sup>1</sup> Montana Commercial Fertilizer Report<sup>2</sup> All Phosphorus Materials<sup>3</sup> 11-52-0<sup>4</sup> Other

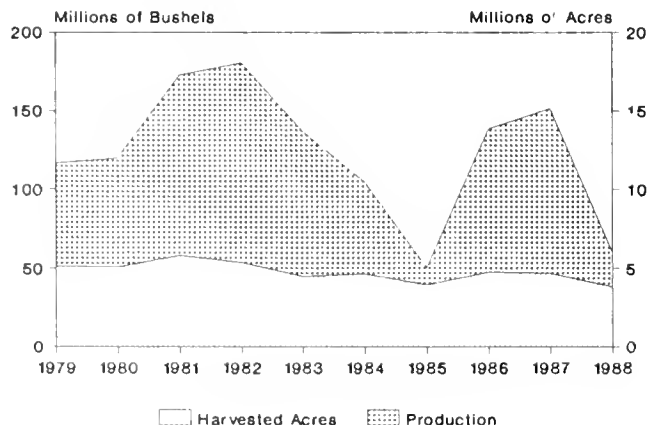
# ALL WHEAT: Acreage, Production, Price, Total Value, and Value Per Acre, 1979-1988

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre --Bushels--	Total	Price Per Bu.	Value of Production --Dollars--	Value Per Acre
1979	5,985,000	5,125,000	22.7	116,475,000	3.56	414,368,000	80.85
1980	5,970,000	5,100,000	23.5	119,800,000	4.14	495,624,000	97.18
1981	6,040,000	5,820,000	29.7	172,830,000	3.68	636,472,000	109.36
1982	5,750,000	5,360,000	33.6	180,320,000	3.65	657,774,000	122.72
1983	4,810,000	4,455,000	30.7	136,930,000	3.67	503,088,000	112.93
1984	5,015,000	4,640,000	22.6	104,655,000	3.52	368,024,000	79.32
1985	5,660,000	3,960,000	12.7	50,240,000	3.47	174,147,000	43.98
1986	5,015,000	4,760,000	29.1	138,520,000	2.52	348,764,000	73.27
1987	4,895,000	4,690,000	32.2	151,220,000	2.74	414,186,000	88.31
1988	4,730,000	3,830,000	15.7	59,970,000	3.90	233,910,000	61.07

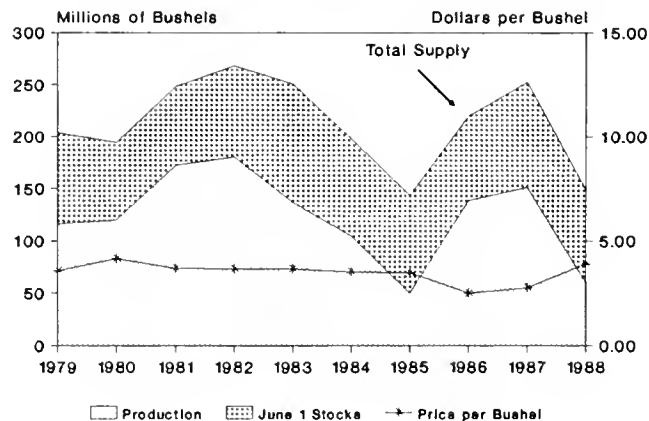
	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production
1979	79,100	48.9	3,867,000	5,045,900	22.3	112,608,000
1980	108,200	54.6	5,910,800	4,991,800	22.8	113,889,200
1981	129,400	54.9	7,099,000	5,690,600	29.1	165,730,100
1982	100,000	58.3	5,826,600	5,260,000	33.2	174,493,400
1983	96,700	61.7	5,963,000	4,358,300	30.1	130,967,000
1984	114,600	55.3	6,340,900	4,525,400	21.7	98,314,100
1985	114,500	47.2	5,403,000	3,845,500	11.7	44,837,000
1986	114,500	56.2	6,433,000	4,645,500	28.4	132,087,000
1987	121,000	61.0	7,327,000	4,569,000	31.0	143,893,000
1988	112,000	44.5	4,979,000	3,718,000	14.8	54,991,000

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production
1979	4,841,200	22.5	108,989,600	204,700	17.7	3,618,400
1980	4,820,700	22.9	110,572,600	171,100	19.4	3,316,600
1981	5,488,700	29.4	161,569,500	201,900	20.6	4,160,600
1982	4,944,700	34.1	168,503,400	315,300	29.0	9,136,700
1983	4,140,900	30.5	126,402,500	217,400	21.0	4,564,500
1984	4,310,400	22.0	95,021,100	215,000	15.3	3,293,000
1985	3,631,500	11.8	42,807,000	214,000	9.5	2,030,000
1986	4,035,500	28.6	115,362,000	610,000	27.4	16,725,000
1987	4,014,000	32.0	128,092,000	555,000	28.0	15,801,000
1988	3,544,700	15.0	53,221,000	173,300	10.2	1,770,000

## Montana All Wheat



## Montana All Wheat

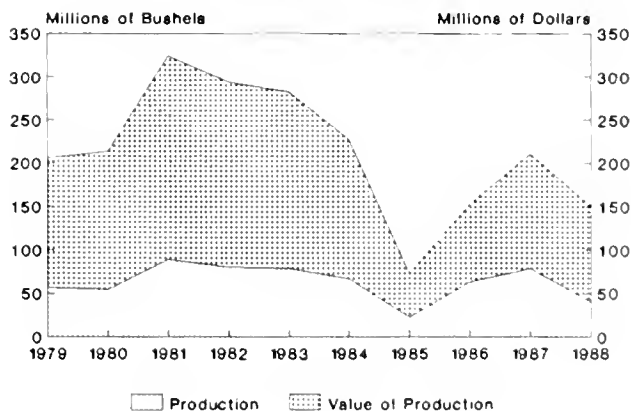
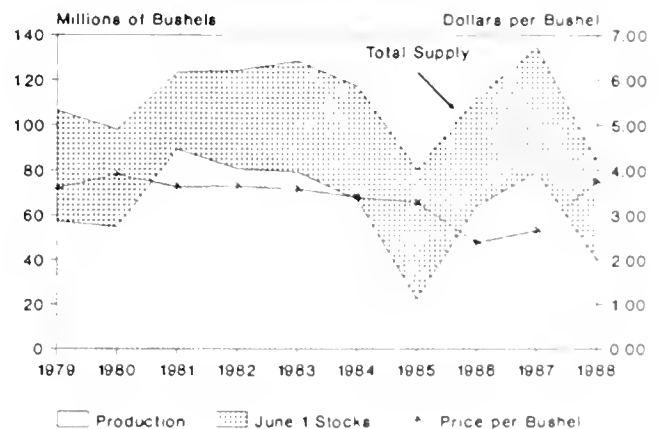


**WINTER WHEAT: Acreage, Production, Price, Total Value, and Value Per Acre, 1979-1988**

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre	Total --Bushels--	Price Per Bu.	Value of Production --Dollars--	Value Per Acre
1979 .....	3,000,000	2,250,000	25.5	57,375,000	3.49	200,239,000	89.00
1980 .....	2,600,000	2,150,000	25.5	54,825,000	3.90	213,818,000	99.45
1981 .....	2,700,000	2,550,000	35.0	89,250,000	3.63	323,978,000	127.05
1982 .....	2,450,000	2,120,000	38.0	80,560,000	3.65	294,044,000	138.70
1983 .....	2,550,000	2,260,000	35.0	79,100,000	3.57	282,387,000	124.95
1984 .....	2,700,000	2,480,000	27.0	66,960,000	3.41	228,334,000	92.07
1985 .....	2,460,000	1,400,000	16.0	22,400,000	3.28	73,472,000	52.48
1986 .....	2,150,000	2,000,000	32.0	64,000,000	2.39	152,960,000	76.48
1987 .....	2,300,000	2,200,000	36.0	79,200,000	2.66	210,672,000	95.76
1988 .....	2,450,000	2,100,000	19.0	39,900,000	3.75	149,675,000	71.27

	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production
1979 .....	16,200	48.9	791,500	2,233,800	25.3	56,583,500
1980 .....	23,000	56.1	1,290,200	2,127,000	25.2	53,534,800
1981 .....	19,000	56.0	1,064,000	2,531,000	34.8	88,186,000
1982 .....	13,000	56.5	735,000	2,107,000	37.9	79,825,000
1983 .....	13,500	57.4	775,500	2,246,500	34.9	78,324,500
1984 .....	19,000	56.0	1,064,000	2,461,000	26.8	65,896,000
1985 .....	20,000	43.0	860,000	1,380,000	15.6	21,540,000
1986 .....	15,000	61.0	915,000	1,985,000	31.8	63,085,000
1987 .....	20,000	63.0	1,260,000	2,180,000	36.0	77,940,000
1988 .....	23,000	50.0	1,150,000	2,077,000	19.0	38,750,000

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production
1979 .....	2,168,900	25.5	55,224,700	64,900	20.9	1,358,800
1980 .....	2,079,500	25.3	52,611,600	47,500	19.4	923,200
1981 .....	2,491,000	35.0	87,066,000	40,000	28.0	1,120,000
1982 .....	2,035,000	38.2	77,664,600	72,000	30.0	2,160,400
1983 .....	2,206,500	35.0	77,336,500	40,000	24.7	988,000
1984 .....	2,378,000	27.0	64,319,000	83,000	19.0	1,577,000
1985 .....	1,289,000	15.9	20,448,000	91,000	12.0	1,092,000
1986 .....	1,690,000	32.1	54,235,000	295,000	30.0	8,850,000
1987 .....	1,915,000	37.0	69,940,000	265,000	30.0	8,000,000
1988 .....	1,986,700	19.0	37,650,000	90,300	12.0	1,100,000

**Montana Winter Wheat****Montana Winter Wheat**

# **SPRING WHEAT EXCLUDING DURUM: Acreage, Production, Price, Total Value, and Value Per Acre, 1979-1988**

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre --Bushels--	Total	Price Per Bu.	Value of Production --Dollars--	Value Per Acre
1979	2,650,000	2,550,000	20.5	52,275,000	3.54	185,054,000	72.57
1980	2,900,000	2,550,000	22.5	57,375,000	4.15	238,106,000	93.37
1981	2,850,000	2,790,000	26.0	72,540,000	3.76	272,750,000	97.76
1982	2,950,000	2,900,000	31.0	89,900,000	3.65	328,135,000	113.15
1983	2,050,000	1,990,000	27.0	53,730,000	3.81	204,711,000	102.87
1984	2,100,000	1,950,000	17.5	34,125,000	3.72	126,945,000	65.10
1985	3,000,000	2,400,000	11.0	26,400,000	3.64	96,096,000	40.04
1986	2,700,000	2,600,000	27.0	70,200,000	2.62	183,924,000	70.74
1987	2,400,000	2,300,000	29.0	66,700,000	2.78	185,426,000	80.62
1988	2,000,000	1,500,000	12.0	18,000,000	4.05	72,900,000	48.60

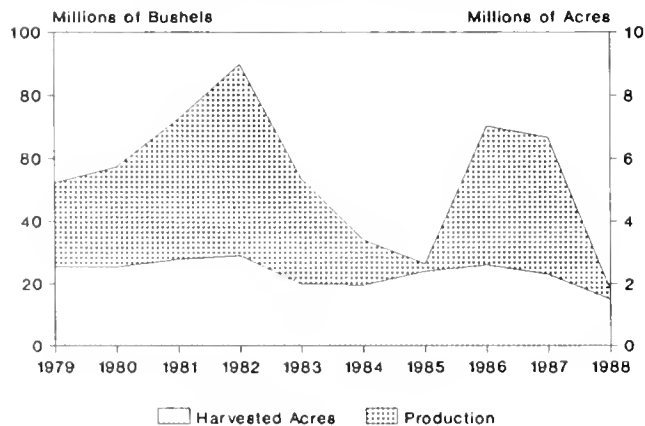
  

	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production
1979	62,300	48.9	3,048,500	2,487,700	19.8	49,226,500
1980	78,200	54.9	4,291,600	2,471,800	21.5	53,083,400
1981	106,400	55.0	5,851,900	2,683,600	24.9	66,688,100
1982	86,000	58.6	5,039,600	2,814,000	30.2	84,860,400
1983	80,000	63.0	5,040,000	1,910,000	25.5	48,690,000
1984	93,000	55.0	5,115,700	1,857,000	15.6	29,009,300
1985	91,000	49.0	4,459,000	2,309,000	9.5	21,941,000
1986	96,000	55.0	5,280,000	2,504,000	25.9	64,920,000
1987	98,000	60.0	5,890,000	2,202,000	28.0	60,810,000
1988	85,000	43.0	3,650,000	1,415,000	10.0	14,350,000

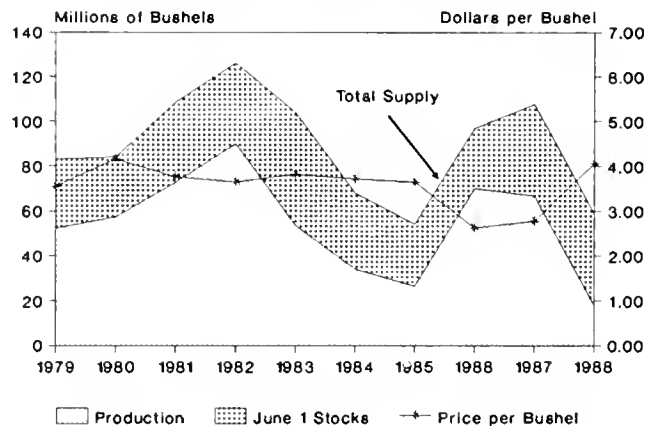
  

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production
1979	2,371,000	20.0	47,406,200	116,700	15.6	1,820,300
1980	2,351,200	21.6	50,732,000	120,600	19.5	2,351,400
1981	2,541,700	25.2	63,992,300	141,900	19.0	2,695,800
1982	2,602,200	31.3	81,527,100	211,800	29.0	6,141,000
1983	1,750,000	26.0	45,500,000	160,000	19.9	3,190,000
1984	1,732,000	15.8	27,384,300	125,000	13.0	1,625,000
1985	2,194,000	9.6	21,067,000	115,000	7.6	874,000
1986	2,204,000	26.1	57,420,000	300,000	25.0	7,500,000
1987	1,932,000	28.0	53,510,000	270,000	27.0	7,300,000
1988	1,345,000	10.0	13,775,000	70,000	8.0	575,000

## **Montana Spring Wheat**



## **Montana Spring Wheat**





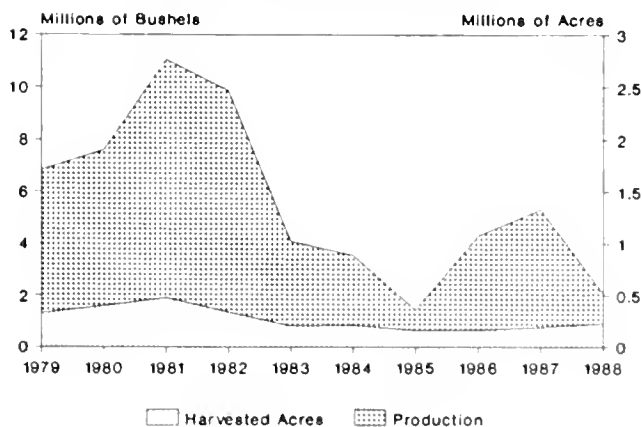
# DURUM WHEAT: Acreage, Production, Price, Total Value, and Value Per Acre, 1979-1988

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre --Bushels--	Total	Price Per Bu.	Value of Production --Dollars--	Value Per Acre
1979	335,000	325,000	21.0	6,825,000	4.26	29,075,000	89.46
1980	470,000	400,000	19.0	7,600,000	5.75	43,700,000	109.25
1981	490,000	480,000	23.0	11,040,000	3.60	39,744,000	82.80
1982	350,000	340,000	29.0	9,860,000	3.61	35,595,000	104.69
1983	210,000	205,000	20.0	4,100,000	3.90	15,990,000	78.00
1984	215,000	210,000	17.0	3,570,000	3.57	12,745,000	60.69
1985	200,000	160,000	9.0	1,440,000	3.18	4,579,000	28.62
1986	165,000	160,000	27.0	4,320,000	2.75	11,880,000	74.25
1987	195,000	190,000	28.0	5,320,000	3.40	18,088,000	95.20
1988	280,000	230,000	9.0	2,070,000	5.50	11,385,000	49.50

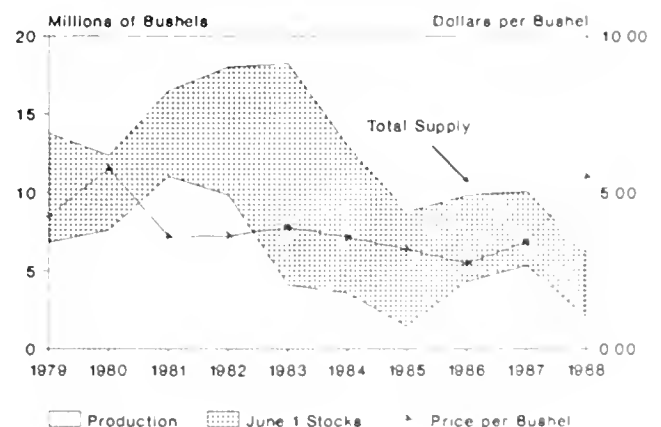
	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production
1979	600	45.0	27,000	324,400	21.0	6,798,000
1980	7,000	47.0	329,000	393,000	18.5	7,271,000
1981	4,000	46.0	184,000	476,000	22.8	10,856,000
1982	1,000	52.0	52,000	339,000	28.9	9,808,000
1983	3,200	46.1	147,500	201,800	19.6	3,952,500
1984	2,600	62.0	161,200	207,400	16.4	3,408,800
1985	3,500	24.0	84,000	156,500	8.7	1,356,000
1986	3,500	68.0	238,000	156,500	26.1	4,082,000
1987	3,000	59.0	177,000	187,000	28.0	5,143,000
1988	4,000	45.0	179,000	226,000	8.0	1,891,000

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production
1979	301,300	21.1	6,358,700	23,100	19.0	439,300
1980	390,000	18.5	7,229,000	3,000	14.0	42,000
1981	456,000	23.1	10,511,200	20,000	17.2	344,800
1982	307,500	30.3	9,311,700	31,500	26.5	835,300
1983	184,400	19.3	3,566,000	17,400	22.2	386,500
1984	200,400	16.6	3,317,800	7,000	13.0	91,000
1985	148,500	8.7	1,292,000	8,000	8.0	64,000
1986	141,500	26.2	3,707,000	15,000	25.0	375,000
1987	167,000	28.0	4,642,000	20,000	25.0	501,000
1988	213,000	8.0	1,796,000	13,000	7.0	95,000

## Montana Durum Wheat



## Montana Durum Wheat



**BARLEY: Acreage, Production, Price, Total Value and Value Per Acre, 1979-1988**

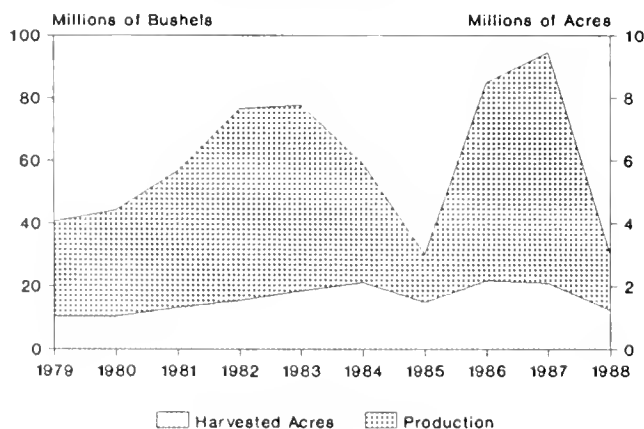
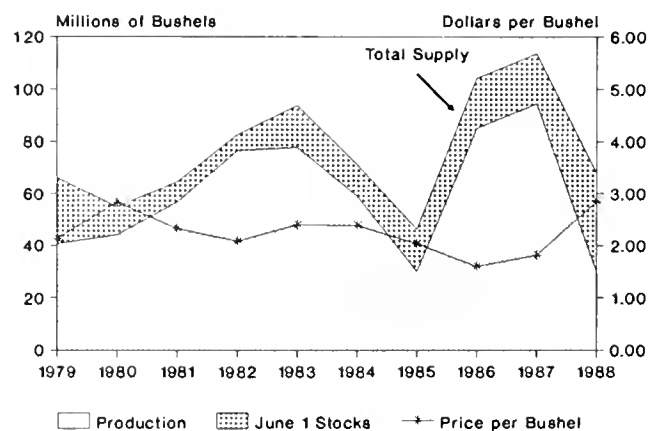
	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre	Total --Bushels--	Price Per Bu.	Value of Production --Dollars--	Value Per Acre
1979	1,100,000	1,040,000	39.0	40,560,000	2.13	86,393,000	83.07
1980	1,180,000	1,050,000	42.0	44,100,000	2.83	124,803,000	118.86
1981	1,400,000	1,320,000	43.0	56,760,000	2.32	131,683,000	99.76
1982	1,650,000	1,560,000	49.0	76,440,000	2.08	158,995,000	101.92
1983	1,950,000	1,850,000	42.0	77,700,000	2.40	186,480,000	100.80
1984	2,320,000	2,110,000	28.0	59,080,000	2.39	141,201,000	66.92
1985	2,350,000	1,500,000	20.0	30,000,000	2.03	60,900,000	40.60
1986	2,400,000	2,180,000	39.0	85,020,000	1.60	136,032,000	62.40
1987	2,300,000	2,100,000	45.0	94,500,000	1.82	171,990,000	81.90
1988	1,800,000	1,250,000	24.0	30,000,000	2.85	85,550,000	68.44

	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain --Acres--	Yield Per Acre	Production --Bushels--	Harvested for Grain --Acres--	Yield Per Acre	Production --Bushels--
1979	235,000	63.0	14,805,000	805,000	32.0	25,755,000
1980	189,000	61.0	11,529,000	861,000	37.8	32,571,000
1981	195,000	65.0	12,675,000	1,125,000	39.2	44,085,000
1982	190,200	71.4	13,575,100	1,369,800	45.9	62,864,900
1983	207,100	73.0	15,108,100	1,642,900	38.1	62,591,900
1984	225,000	65.0	14,625,000	1,885,000	23.6	44,455,000
1985	170,000	63.0	10,710,000	1,330,000	14.5	19,290,000
1986	215,000	72.0	15,480,000	1,965,000	35.4	69,540,000
1987	219,000	75.0	16,400,000	1,881,000	42.0	78,100,000
1988	215,000	59.0	12,700,000	1,035,000	17.0	17,300,000

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain --Acres--	Yield Per Acre	Production	Harvested for Grain --Acres--	Yield Per Acre	Production
1979	639,000	32.5	20,775,000	166,000	30.0	4,980,000
1980	708,500	38.5	27,250,500	152,500	34.9	5,320,500
1981	882,700	39.4	34,816,200	242,300	38.3	9,268,800
1982	845,600	48.1	40,645,000	524,200	42.4	22,219,900
1983	1,096,400	39.5	43,320,900	546,500	35.3	19,271,000
1984	1,291,000	24.3	31,387,000	594,000	22.0	13,068,000
1985	990,000	15.0	14,870,000	340,000	13.0	4,420,000
1986	1,250,000	35.6	44,515,000	715,000	35.0	25,025,000
1987	1,226,000	44.0	53,600,000	655,000	37.0	24,500,000
1988	835,000	18.0	14,770,000	200,000	13.0	2,530,000

**Montana Barley****Montana Barley**

# OATS: Acreage, Production, Price, Total Value and Value Per Acre, 1979-1988

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre --Bushels--	Total	Price Per Bu.	Value of Production --Dollars--	Value Per Acre
1979 .....	321,000	125,000	39.0	4,875,000	1.49	7,264,000	58.11
1980 .....	220,000	73,000	44.0	3,212,000	1.96	6,296,000	86.24
1981 .....	220,000	110,000	44.0	4,840,000	1.89	9,148,000	83.16
1982 .....	260,000	150,000	51.0	7,650,000	1.51	11,552,000	77.01
1983 .....	210,000	120,000	44.0	5,280,000	1.58	8,342,000	69.52
1984 .....	220,000	105,000	37.0	3,885,000	1.77	6,876,000	65.49
1985 .....	225,000	70,000	33.0	2,310,000	1.50	3,465,000	49.50
1986 .....	200,000	90,000	46.0	4,140,000	1.37	5,672,000	63.02
1987 .....	235,000	110,000	55.0	6,050,000	1.49	9,015,000	81.95
1988 .....	210,000	90,000	31.0	2,790,000	2.35	6,557,000	72.86

	IRRIGATED			NON-IRRIGATED		
	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production	Harvested for Grain --Acres--	Yield Per Acre --Bushels--	Production
1979 .....	30,400	59.0	1,794,000	94,600	32.6	3,081,000
1980 .....	20,100	67.0	1,346,700	52,900	35.3	1,865,300
1981 .....	24,000	69.0	1,656,000	86,000	37.0	3,184,000
1982 .....	32,000	72.4	2,315,400	118,000	45.2	5,334,600
1983 .....	24,300	74.9	1,819,200	95,700	36.2	3,460,800
1984 .....	27,000	60.0	1,620,000	78,000	29.0	2,265,000
1985 .....	21,000	61.0	1,281,000	49,000	21.0	1,029,000
1986 .....	24,000	70.0	1,680,000	66,000	37.3	2,460,000
1987 .....	21,000	81.0	1,700,000	89,000	49.0	4,350,000
1988 .....	24,000	68.0	1,620,000	66,000	18.0	1,170,000



# **CORN: Acreage, Production, Price, Total Value, 1979-1988**

TOTAL PLANTED ACRES		HARVESTED FOR GRAIN					HARVESTED FOR SILAGE		
		Production			Price Per Bu.	Value of Production --Dollars--	Production		
		Harvested Acres	Yield	Total			Harvested Acres	Yield	Total
			Per Acre --Bushels--					Per Acre --Tons--	
1979 . . . . .	85,000	10,000	77.0	770,000	2.38	1,833,000	68,000	16.0	1,088,000
1980 . . . . .	85,000	8,000	74.0	592,000	3.60	2,131,000	70,000	17.5	1,225,000
1981 . . . . .	86,000	10,000	85.0	850,000	3.28	2,788,000	71,000	17.0	1,207,000
1982 . . . . .	80,000	14,000	100.0	1,400,000	2.36	3,304,000	63,000	17.5	1,103,000
1983 . . . . .	65,000	13,000	105.0	1,365,000	3.20	4,368,000	44,000	18.0	792,000
1984 . . . . .	90,000	15,000	92.0	1,380,000	3.09	4,264,000	69,000	18.0	1,242,000
1985 . . . . .	84,000	11,000	95.0	1,045,000	2.80	2,926,000	69,000	19.0	1,311,000
1986 . . . . .	80,000	13,000	115.0	1,495,000	2.10	3,140,000	63,000	19.0	1,197,000
1987 . . . . .	80,000	15,000	105.0	1,575,000	2.20	3,465,000	64,000	18.0	1,152,000
1988 . . . . .	90,000	20,000	110.0	2,200,000	3.15	6,930,000	67,000	19.0	1,273,000

# **POTATOES: Acreage, Production, Price, Total Value, and Value Per Acre, Principally Irrigated, 1979-1988**

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested	Yield Per Acre --Cwt--	Total Cwt	Price Per Cwt	Value of Production --Dollars--	Value Per Acre
1979	7,500	7,500	240	1,800,000	4.40	7,920,000	1,056.00
1980	7,000	6,900	250	1,725,000	8.50	14,662,500	2,125.00
1981	7,500	7,400	235	1,739,000	8.00	13,912,000	1,880.00
1982	7,500	7,400	260	1,924,000	7.50	14,430,000	1,950.00
1983	7,300	7,200	250	1,800,000	9.20	16,560,000	2,300.00
1984	7,500	7,400	260	1,924,000	9.50	18,278,000	2,740.00
1985	7,900	7,000	270	1,890,000	8.75	16,538,000	2,363.00
1986	7,800	7,700	290	2,233,000	6.65	14,849,000	1,928.00
1987	8,000	7,900	300	2,370,000	5.65	13,391,000	1,696.00
1988	7,800	7,700	280	2,156,000	7.75	16,709,000	2,170.00

# **DRY BEANS: Acreage, Production, Price, Total Value, and Value Per Acre, Principally Irrigated, 1979-1988**

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested	Yield Per Acre --Cwt--	Total Cwt	Price Per Cwt	Value of Production --Dollars--	Value Per Acre
1979	10,000	9,700	1,800	175,000	25.00	4,375,000	451.03
1980	12,000	11,000	1,600	176,000	25.00	4,400,000	400.00
1981	14,000	13,000	1,680	218,000	16.50	3,597,000	276.69
1982	8,500	7,000	1,680	118,000	11.00	1,298,000	185.43
1983	3,000	2,800	1,320	37,000	18.00	666,000	237.86
1984	8,500	8,000	1,900	152,000	15.00	2,280,000	285.00
1985	3,400	3,000	1,900	57,000	17.00	969,000	323.00
1986	4,800	4,500	2,160	97,000	15.00	1,455,000	323.33
1987	5,800	5,700	2,190	125,000	12.00	1,500,000	263.16
1988	4,400	4,000	1,900	76,000	28.00	2,128,000	532.00

**ALL HAY: Acreage, Production, Price, Total Value, and Value Per Acre, 1979-1988**

	ACRES	PRODUCTION		VALUE		
	Harvested	Yield	Total	Price Per	Value of	Value
		Per Acre	--Tons--	Ton Baled	Production	Per Acre
					--Dollars--	
1979 .....	2,380,000	1.82	4,329,000	55.50	240,260,000	100.95
1980 .....	2,200,000	1.90	4,170,000	62.50	260,625,000	118.47
1981 .....	2,380,000	2.09	4,964,000	48.50	240,754,000	101.16
1982 .....	2,450,000	2.01	4,915,000	50.00	245,750,000	100.31
1983 .....	2,170,000	1.86	4,041,000	63.00	254,583,000	117.32
1984 .....	2,200,000	1.72	3,780,000	78.00	294,840,000	134.02
1985 .....	1,950,000	1.42	2,760,000	84.50	233,220,000	119.60
1986 .....	2,250,000	1.92	4,320,000	51.00	220,320,000	97.92
1987 .....	2,200,000	1.91	4,210,000	45.00	189,450,000	86.11
1988 .....	1,800,000	1.55	2,790,000	86.50	241,335,000	134.08

	IRRIGATED			NON-IRRIGATED		
	Harvested Acres	Yield	Production	Harvested Acres	Yield	Production
		Per Acre	--Tons--		Per Acre	--Tons--
1979 .....	1,188,100	2.41	2,862,300	1,191,900	1.20	1,428,700
1980 .....	1,230,000	2.45	3,010,000	970,000	1.20	1,160,000
1981 .....	1,245,000	2.62	3,261,500	1,075,000	1.44	1,546,500
1982 .....	1,276,900	2.61	3,329,900	1,173,100	1.51	1,775,100
1983 .....	1,118,000	2.47	2,762,000	1,052,000	1.22	1,279,000
1984 .....	1,317,000	2.19	2,882,500	883,000	1.02	897,500
1985 .....	1,200,000	1.90	2,310,000	750,000	.60	450,000
1986 .....	1,115,000	2.57	2,869,000	1,135,000	1.28	1,451,000
1987 .....	1,120,000	2.70	2,970,000	1,080,000	1.10	1,240,000
1988 .....	1,150,000	2.10	2,430,000	650,000	.60	360,000

**ALFALFA HAY: Acreage and Production, 1979-1988**

	TOTAL			IRRIGATED			NON-IRRIGATED		
	Harvested Acres	Yield	Production	Harvested Acres	Yield	Production	Harvested Acres	Yield	Production
		Per Acre	--Tons--		Per Acre	--Tons--		Per Acre	--Tons--
1979 .....	1,300,000	2.25	2,925,000	660,400	3.13	2,067,600	639,600	1.34	857,400
1980 .....	1,200,000	2.35	2,820,000	660,000	3.14	2,070,000	540,000	1.39	750,000
1981 .....	1,360,000	2.60	3,536,000	700,400	3.45	2,416,400	659,600	1.70	1,119,600
1982 .....	1,350,000	2.50	3,375,000	699,000	3.23	2,257,800	651,000	1.72	1,117,200
1983 .....	1,170,000	2.30	2,691,000	608,000	3.10	1,884,800	562,000	1.43	806,200
1984 .....	1,150,000	2.10	2,415,000	650,000	2.85	1,852,000	500,000	1.13	562,500
1985 .....	950,000	1.80	1,710,000	600,000	2.50	1,500,000	350,000	.60	210,000
1986 .....	1,300,000	2.30	2,990,000	680,000	3.10	2,108,000	620,000	1.42	882,000
1987 .....	1,300,000	2.20	2,860,000	700,000	3.10	2,200,000	600,000	1.10	660,000
1988 .....	1,100,000	1.90	2,090,000	740,000	2.50	1,850,000	360,000	.70	240,000

**OTHER HAY: Acreage and Production, 1979-1988 <sup>1</sup>**

	TOTAL			IRRIGATED			NON-IRRIGATED		
	Harvested Acres	Yield	Production	Harvested Acres	Yield	Production	Harvested Acres	Yield	Production
		Per Acre	--Tons--		Per Acre	--Tons--		Per Acre	--Tons--
1979 .....	1,080,000	1.26	1,366,000	527,700	1.51	794,700	552,300	1.03	571,300
1980 .....	1,000,000	1.35	1,350,000	570,000	1.65	940,000	430,000	.95	410,000
1981 .....	960,000	1.33	1,272,000	544,600	1.55	845,100	415,400	1.03	426,900
1982 .....	1,100,000	1.57	1,730,000	577,900	1.86	1,072,100	522,100	1.26	657,900
1983 .....	1,000,000	1.35	1,350,000	510,000	1.72	877,200	490,000	.96	472,500
1984 .....	1,050,000	1.30	1,365,500	667,000	1.54	1,030,500	383,000	.87	335,000
1985 .....	1,000,000	1.05	1,050,000	600,000	1.35	810,000	400,000	.60	240,000
1986 .....	950,000	1.40	1,330,000	435,000	1.75	761,000	515,000	1.10	569,000
1987 .....	900,000	1.50	1,350,000	420,000	1.80	770,000	480,000	1.20	580,000
1988 .....	700,000	1.00	700,000	410,000	1.40	580,000	290,000	.40	120,000

<sup>1</sup> Includes wild, clover-timothy, grain and other hay.

## SWEET CHERRIES: Production, Price, and Value, 1979-1988

	PRODUCTION		VALUE	
	<u>Production</u>	<u>Production Having Value</u>	<u>Average Price Per Ton</u>	<u>Value of Production</u>
	--Tons--		Dollars	Thou. Dols.
1979 .....	2,950	2,950	682.00	2,012
1980 .....	700	700	621.00	435
1981 .....	1,240	1,240	711.00	882
1982 .....	3,400	3,100	624.00	1,934
1983 .....	1,800	1,365	457.00	624
1984 .....	2,300	1,400	666.00	932
1985 .....	4,600	3,500	644.00	2,255
1986 .....	1,600	1,000	480.00	480
1987 .....	3,800	2,600	877.00	2,280
1988 .....	3,300	1,900	548.00	1,042

## SUGAR BEETS: Acreage, Production, Price, Total Value, and Value Per Acre, 1979-1988

	ACRES		PRODUCTION		VALUE		
	<u>Planted</u>	<u>Harvested</u>	<u>Yield Per Acre</u>	<u>Total</u>	<u>Price Per Ton</u>	<u>Value of Production</u>	<u>Value Per Acre</u>
			--Tons--		<sup>1</sup>	<sup>1</sup>	<sup>1</sup>
					--Dollars--	--Dollars--	
1979 .....	44,100	43,400	19.1	829,000	37.30	30,922,000	712.49
1980 .....	44,200	43,300	20.3	879,000	51.40	45,181,000	1,043.44
1981 .....	44,700	44,500	20.8	926,000	37.20	34,447,000	774.09
1982 .....	43,100	43,000	19.8	850,000	42.40	36,040,000	838.14
1983 .....	41,600	41,300	19.8	818,000	37.60	30,757,000	744.72
1984 .....	25,200	24,600	16.9	416,000	35.50	14,768,000	600.33
1985 .....	43,500	42,700	19.0	811,000	35.10	28,466,000	666.65
1986 .....	47,200	46,800	21.7	1,016,000	39.10	39,726,000	848.85
1987 .....	49,200	48,900	22.2	1,086,000	42.20	45,829,000	937.20
1988 .....	49,600	48,900	21.1	1,032,000			

<sup>1</sup> Excludes Government payments.



# STOCKS OF MAJOR GRAINS 1980-1989

Crop & Year	MARCH 1 <sup>1</sup>		JUNE 1		SEPTEMBER 1 <sup>1</sup>		DECEMBER 1 <sup>1</sup>	
	On Farm Total	Total All Positions <sup>2</sup>	On Farm Total	Total All Positions <sup>2</sup>	On Farm Total	Total All Positions <sup>2</sup>	On Farm Total	Total All Positions <sup>2</sup>
--Thousand Bushels--								
<b>ALL WHEAT</b>								
1980 .....	80,368	96,078	58,238	74,599	148,552	175,714	110,216	134,166
1981 .....	76,672	94,250	61,098	75,766	171,102	201,135	131,351	158,393
1982 .....	101,970	120,105	74,317	88,257	205,565	234,709	169,501	197,644
1983 .....	113,602	138,576	91,963	113,774	167,055	203,575	130,084	161,030
1984 .....	97,220	122,710	72,573	93,630	130,819	161,220	109,888	141,913
1985 .....	80,584	110,454	66,979	93,105	81,891	114,841	69,331	104,513
1986 .....	52,250	86,848	48,230	81,060	146,000	186,790	124,000	162,901
1987 .....	85,000	120,521	60,000	101,210	165,000	217,608	129,000	172,624
1988 .....	92,000	127,495	64,000	88,997	87,000	119,183	65,000	91,000
1989 .....	45,000	67,448	35,000	45,100				
<b>WINTER WHEAT</b>								
1980 .....	40,163	51,586	31,556	43,267	69,822	89,309	46,430	62,867
1981 .....	29,822	39,649	25,749	34,273	81,514	98,754	65,464	81,538
1982 .....	50,263	61,549	35,479	43,748	93,076	107,528	72,815	88,533
1983 .....	43,161	57,515	37,829	49,354	92,428	111,946	69,915	86,169
1984 .....	51,504	65,365	37,963	50,225	78,182	96,907	64,842	85,358
1985 .....	44,620	64,091	40,610	57,980	46,928	68,344	37,027	59,760
1986 .....	31,816	53,072	28,454	48,709	72,000	96,602	61,000	84,145
1987 .....	41,000	62,242	31,000	55,466	83,000	114,590	65,000	89,964
1988 .....	45,000	65,338	31,000	44,151	50,000	68,393	36,000	52,777
1989 .....	22,500	35,691	18,500	23,800				
<b>DURUM WHEAT</b>								
1980 .....	6,143	6,507	4,436	4,737	3	10,745	3	9,066
1981 .....	3	7,418	3	5,441	3	13,776	3	12,524
1982 .....	3	10,044	3	8,135	3	17,320	3	16,835
1983 .....	3	14,594	3	14,111	3	13,453	3	12,588
1984 .....	3	10,825	3	9,407	3	11,084	3	10,294
1985 .....	3	9,298	3	7,303	3	6,323	3	6,043
1986 .....	3	5,610	3	5,488	3	9,175	3	7,775
1987 .....	3	6,649	3	4,748	3	10,374	3	8,644
1988 .....	3	6,368	3	4,067	3	5,263	3	4,103
1989 .....	3	3,322	3	3,100				
<b>ALL SPRING WHEAT</b>								
1980 .....	40,205	44,492	26,682	31,332	78,730	86,405	63,786	71,299
1981 .....	46,850	54,601	35,349	41,493	89,588	102,381	65,887	76,585
1982 .....	51,347	58,556	38,838	44,509	112,489	127,181	96,686	109,111
1983 .....	70,441	81,061	54,134	64,420	74,627	91,629	60,169	74,861
1984 .....	45,716	57,345	34,610	43,405	52,637	64,313	45,046	56,555
1985 .....	35,964	46,363	26,369	35,125	34,963	46,497	32,304	44,753
1986 .....	20,434	33,776	19,776	32,351	74,000	90,188	63,000	78,756
1987 .....	44,000	58,279	29,000	45,744	82,000	103,018	64,000	82,660
1988 .....	47,000	62,157	33,000	44,846	37,000	50,790	29,000	40,258
1989 .....	22,500	31,757	16,500	21,300				
<b>OATS</b>								
1980 .....	3,803	3,990	2,584	2,748	4,497	4,837	4,176	4,372
1981 .....	2,570	2,787	2,152	2,296	4,840	5,137	4,114	4,372
1982 .....	2,178	2,478	1,694	1,877	8,033	8,485	6,885	7,308
1983 .....	4,055	4,388	3,443	3,679	6,072	6,369	5,386	5,695
1984 .....	3,115	3,553	2,165	2,289	4,740	4,867	4,351	4,497
1985 .....	2,448	2,568	1,709	1,812	3,003	3,383	2,495	2,495
1986 .....	3	3	993	1,343	3	3	3	3
1987 .....	3	3	1,200	1,360	3	3	3	3
1988 .....	3	3	2,500	2,645	3	3	3	3
1989 .....	3	3	1,400	1,550	3	3	3	3
<b>BARLEY</b>								
1980 .....	15,413	18,058	9,329	10,963	40,572	44,177	29,547	34,065
1981 .....	10,584	12,765	6,615	7,579	45,408	50,000	28,948	32,629
1982 .....	13,622	15,972	5,108	6,185	62,681	67,681	45,864	50,591
1983 .....	28,283	33,212	12,925	15,985	60,606	68,925	37,296	42,002
1984 .....	17,094	22,413	10,101	12,251	49,036	56,003	38,402	45,164
1985 .....	20,678	25,421	12,998	16,280	30,000	39,098	27,000	32,411
1986 .....	3	3	12,900	19,100	3	3	3	3
1987 .....	3	3	14,000	19,200	84,000	94,175	65,000	74,891
1988 .....	42,000	51,607	30,000	37,931	33,000	44,364	26,000	38,000
1989 .....	17,000	23,924	10,000	15,200				

<sup>1</sup> Quarters prior to September 1, 1986 were January 1, April 1, June 1, and October 1.

<sup>2</sup> Includes farm stock at mills, elevators, warehouses, terminals, processors and stocks owned by Commodity Credit Corporation.

<sup>3</sup> Data not available for publication.

# WHEAT: Shipped Out of State by Class and Destination, 1979-1988

YEAR <sup>1</sup>	ALL WHEAT				WINTER WHEAT				SPRING WHEAT <sup>2</sup>			
	East	West	Other <sup>3</sup>	Total	East	West	Other <sup>3</sup>	Total	East	West	Other <sup>3</sup>	Total
	--Thousand Bushels--				--Thousand Bushels--				--Thousand Bushels--			
1979	4,941	91,703	1,524	98,168	2,408	51,177	826	54,411	2,533	40,526	698	43,757
1980	5,179	72,908	1,185	79,272	2,384	36,755	484	39,623	2,795	36,153	701	39,649
1981	3,949	94,646	724	99,319	1,783	46,239	331	48,353	2,166	48,407	393	50,966
1982	2,627	120,264	806	123,697	672	61,045	130	61,847	1,955	59,219	676	61,850
1983	4,289	113,142	1,481	118,912	909	51,154	203	52,266	3,380	61,988	1,278	66,646
1984	2,368	81,667	1,948	85,983	636	44,743	512	45,891	1,732	36,924	1,436	40,092
1985	3,822	49,698	2,736	56,256	578	21,073	204	21,855	3,244	28,625	2,532	34,401
1986	2,653	92,793	2,773	98,219	743	45,486	858	47,087	1,910	47,307	1,915	51,132
1987	2,801	133,412	2,197	138,410	626	71,829	727	73,182	2,175	61,584	1,469	65,228
1988	1,025	72,609	1,002	74,636	270	39,898	538	40,706	755	32,710	465	33,930

<sup>1</sup> Crop year June through May.<sup>2</sup> Includes durum wheat.<sup>3</sup> Other and unknown.

# WINTER WHEAT: Shipped Out of State By Class, District, Mode, and Destination <sup>1</sup>, 1987-1988

DISTRICT OF ORIGIN, MODE, & DESTINATION	JUNE 1987-MAY 1988			JUNE 1988-MAY 1989		
	Winter Wheat	Spring Wheat <sup>2</sup>	All Wheat	Winter Wheat	Spring Wheat <sup>2</sup>	All Wheat
	--Thousand Bushels--			--Thousand Bushels--		
WEST <sup>3</sup>	2,382	2,395	4,777	1,064	2,164	3,228
NORTH CENTRAL	31,354	35,093	66,447	19,642	16,275	35,917
NORTHEAST	5,067	20,086	25,153	2,260	10,553	12,813
CENTRAL	19,922	5,378	25,300	10,817	3,526	14,343
SOUTH CENTRAL	10,226	839	11,065	5,537	701	6,238
SOUTHEAST	4,231	1,437	5,668	1,386	711	2,097
STATE						
Truck East	240	426	666	270	127	397
Truck West	10,148	5,086	15,234	7,318	4,232	11,550
Truck Other <sup>3</sup>	545	302	847	456	234	690
Total by Truck	10,933	5,814	16,747	8,044	4,593	12,637
Rail East	386	1,749	2,135	0	628	628
Rail West	61,681	56,498	118,179	32,580	28,478	61,058
Rail Other <sup>4</sup>	182	1,167	1,349	82	231	313
Total by Rail	62,249	59,414	121,663	32,662	29,337	61,999
Total Wheat Shipped	73,182	65,228	138,410	40,706	33,930	74,636

<sup>1</sup> Based on data reported by commercial elevators and licensed truckers. Reported data were expanded to represent 100 percent of elevator capacity.<sup>2</sup> Includes durum wheat.<sup>3</sup> Northwest and Southwest combined to avoid disclosure of individual operations.<sup>4</sup> Other and unknown.

NOTE: Funding for the above statistics was provided by the Montana Wheat &amp; Barley Committee.



**ALL WHEAT: Production, Stocks, and Utilization, By Marketing Years 1983-1987**

<u>SUPPLY</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
			--Million Bushels--		
Beginning stocks <sup>1</sup> . . . . .	113.8	93.6	93.1	81.1	101.2
Production . . . . .	<u>136.9</u>	<u>104.7</u>	<u>50.2</u>	<u>138.5</u>	<u>151.2</u>
Total Supply . . . . .	250.7	198.3	143.3	219.6	252.4
<u>DISPOSITION</u>					
Recorded movement out of State <sup>2</sup> . . . . .	134.3	88.3	56.3	98.2	138.1
Milled for flour in Montana . . . . .	6.9	6.4	<sup>5</sup>	<sup>5</sup>	<sup>5</sup>
Used for seed in Montana . . . . .	5.3	5.6	4.9	4.8	4.6
Used for livestock feed <sup>3</sup> . . . . .	2.0	2.0	8.4 <sup>5</sup>	8.5 <sup>5</sup>	9.0 <sup>5</sup>
Unaccounted disappearance (to balance) <sup>4</sup> . . . . .	<u>8.6</u>	<u>2.9</u>	<u>-7.4</u>	<u>6.9</u>	<u>11.7</u>
Total Disposition . . . . .	157.1	105.2	62.2	118.4	163.4
Ending Stocks <sup>1</sup> . . . . .	93.6	93.1	81.1	101.2	89.0

<sup>1</sup> Farm, commercial--June 1 stocks.<sup>2</sup> Reported by elevators, licensed truckers and special survey of truck destinations and barge traffic.<sup>3</sup> Utilization for feed--on farms where grown, cattle feeders, feed mills and purchased by other farmers for feed.<sup>4</sup> Due to unknowns in components, probably most is unrecorded truck movement.<sup>5</sup> Milled for flour combined with livestock feed to avoid individual disclosure.**ALL WHEAT: Movement to Pacific Northwest, Utilization, and Exports <sup>1</sup>, By Marketing Years, 1983-1987**

<u>ITEM</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
			--Million Bushels--		
Beginning Stocks . . . . .	113.8	93.6	93.1	81.1	101.2
Production . . . . .	136.9	104.7	50.2	138.5	151.2
Ending Stocks . . . . .	<u>-93.6</u>	<u>-93.1</u>	<u>-81.1</u>	<u>-101.2</u>	<u>-89.0</u>
Total Disposition <sup>3</sup> . . . . .	157.1	105.2	62.2	118.4	163.4
Shipments of wheat into Pacific Northwest <sup>4</sup>					
(adjusted for unaccounted disappearance) . . . . .	129.9	79.7	45.5	99.3	140.4
Estimated Montana wheat milled for flour in Pacific Northwest (includes bulgar) <sup>5</sup> . . . . .	19.6	18.9	18.4	20.0	23.5
Estimated Montana wheat exported from Pacific Northwest ports <sup>6</sup> . . . . .	110.3	60.8	27.1	79.3	116.9
Percent of total disposition . . . . .	70%	58%	44%	67%	72%
Inspected exports of Hard Red Spring, Hard Red Winter and Durum from Pacific Northwest ports . . . . .	181.2	163.5	154.2	167.8	225.8
Montana exports as percent of total HRS, HRW and Durum exports from Pacific Northwest ports . . . . .	61%	37%	18%	47%	52%

<sup>1</sup> Pacific Northwest--Oregon and Washington.<sup>2</sup> June 1 - May 31.<sup>3</sup> Beginning stocks plus production minus ending stocks.<sup>4</sup> Source: Montana Grain Movement project.<sup>5</sup> Total Pacific Northwest wheat millings minus estimated wheat originating from Oregon, Washington or other states.<sup>6</sup> Estimated Montana wheat shipped to Pacific Northwest minus estimated Montana wheat milled in Pacific Northwest.

NOTE: Funding for the above statistics was provided by the Montana Wheat &amp; Barley Committee.

# MONTANA WHEAT VARIETIES: Percent of Total Seeded Acreage 1984-1989 & Seeded Acreage 1988 <sup>1</sup>-1989 <sup>2</sup>

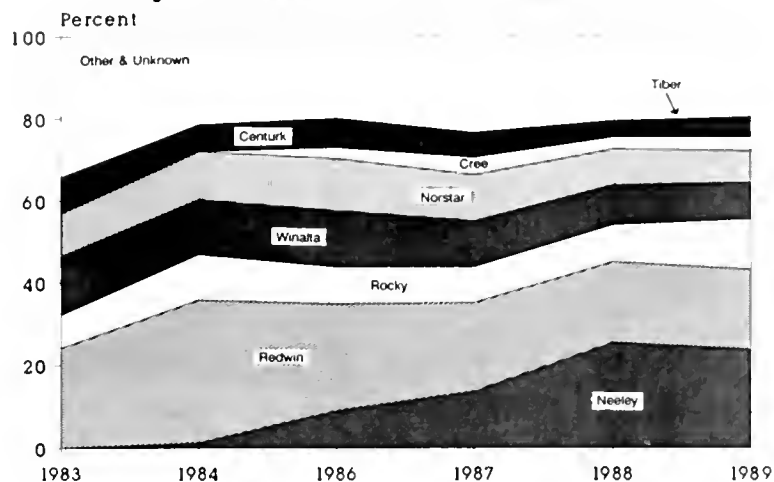
CLASS & VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACREAGE	
	1984	1985	1986	1987	1988	1989	1988 <sup>1</sup>	1989 <sup>2</sup>
--(000)--								
WINTER WHEAT								
Neeley	--	1.3	9.0	13.7	25.5	23.8	624.4	595.1
Redwin	24.2	34.6	25.9	21.5	19.6	19.5	481.4	487.4
Rocky	8.0	11.1	9.0	8.7	9.0	12.2	221.7	306.0
Winalta	14.3	13.4	13.8	11.2	9.8	9.0	240.4	224.9
Norstar	10.4	11.7	12.7	11.3	8.7	7.7	212.3	193.4
Cree	--	--	2.6	4.2	2.9	3.3	71.0	81.4
Centurk	8.9	6.6	7.2	6.1	3.8	3.1	93.0	77.3
Tiber	--	--	--	--	0.3	1.9	8.3	47.9
Weston	--	0.5	0.8	1.0	1.1	1.7	26.2	43.6
Roughrider	6.4	4.0	2.6	4.5	4.1	1.6	100.6	41.2
Cheyenne	8.3	5.1	2.4	3.4	1.7	1.4	40.6	34.8
Hawk	--	0.1	0.4	0.2	0.6	1.3	15.5	31.4
Norwin	--	--	--	0.8	2.2	1.2	53.0	31.1
Agassiz	--	--	0.1	1.0	1.1	1.0	26.2	25.8
Warrior	3.1	1.5	0.7	0.6	0.8	0.9	20.5	22.2
Winridge	--	0.9	0.9	0.4	0.9	0.5	21.6	13.4
Stephens <sup>3</sup>	--	--	--	--	0.5	0.5	11.6	13.2
Sage	--	0.1	0.3	0.6	1.1	0.5	27.5	12.0
Other & Unknown	16.4	9.1	11.6	10.8	6.3	8.9	154.2	217.9
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2450.0	2500.0
SPRING WHEAT								
Newana	19.8	21.8	22.9	21.0	16.2	19.7	324.2	690.2
Len	11.9	12.4	11.9	11.3	15.1	15.2	302.2	530.4
Fortuna	10.7	12.0	18.2	19.7	11.8	14.6	235.2	510.5
Lew	9.4	10.0	11.5	10.4	10.4	10.2	208.0	355.7
Rambo	--	--	--	0.4	6.6	9.0	205.1	314.4
Stoa	--	--	4.4	4.2	10.3	7.9	131.5	274.9
Olaf	11.3	9.5	5.7	5.7	5.9	5.8	118.8	202.5
Pondera	3.5	2.3	1.9	3.0	1.8	2.4	61.2	84.9
Glenman	--	--	0.3	1.7	1.1	2.4	48.6	83.5
Tioga	2.3	2.9	1.5	3.8	3.1	1.1	36.3	39.2
Leader	--	0.1	0.8	1.5	0.9	1.1	22.9	38.5
Success	--	--	--	1.4	2.4	0.9	21.9	30.0
Alex	0.6	0.4	0.7	1.3	0.8	0.8	18.6	27.7
Amidon (ND 606)	--	--	--	--	--	0.6	18.5	20.3
Prodax	5.5	6.6	1.6	0.8	0.7	0.5	16.6	18.1
Coteau	--	--	--	0.2	0.7	0.5	15.8	16.7
Cutlass	--	--	--	0.2	1.1	0.5	20.9	16.7
Northrup K. 751	3.7	1.5	3.3	1.8	0.9	0.5	18.6	16.0
Butte	2.7	4.0	2.5	1.9	0.8	0.4	15.0	15.1
Other & Unknown	18.6	16.5	12.8	9.7	9.4	6.1	160.1	214.7
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2000.0	3500.0
DURUM WHEAT								
Vic	25.3	36.9	29.6	52.1	29.7	28.1	83.2	95.7
Ward	33.1	22.0	19.5	12.3	17.0	19.1	47.5	64.9
Westbred Laker	--	--	0.3	3.0	4.0	14.4	11.3	49.0
Monroe	--	--	--	0.3	6.1	8.2	17.0	27.7
Medora	--	--	--	1.4	8.6	8.1	24.2	27.6
Cando	7.6	3.7	1.9	3.4	1.8	6.5	4.9	22.1
Crosby	2.6	9.8	8.3	9.9	14.7	6.4	41.3	21.9
Lloyd	--	2.1	16.6	4.1	6.6	4.6	18.6	15.5
Wells	2.2	3.7	3.5	1.2	2.8	-- <sup>4</sup>	7.7	-- <sup>4</sup>
Rolette	8.9	10.7	1.6	3.6	2.6	-- <sup>4</sup>	7.2	-- <sup>4</sup>
Other & Unknown	20.3	11.1	18.7	8.7	6.1	4.6	17.1	15.6
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	280.0	340.0

<sup>1</sup> Revised   <sup>2</sup> Preliminary   <sup>3</sup> Soft White Wheat   <sup>4</sup> Less than 1%

NOTE: Funding for wheat varieties was provided by the Montana Wheat & Barley Committee.

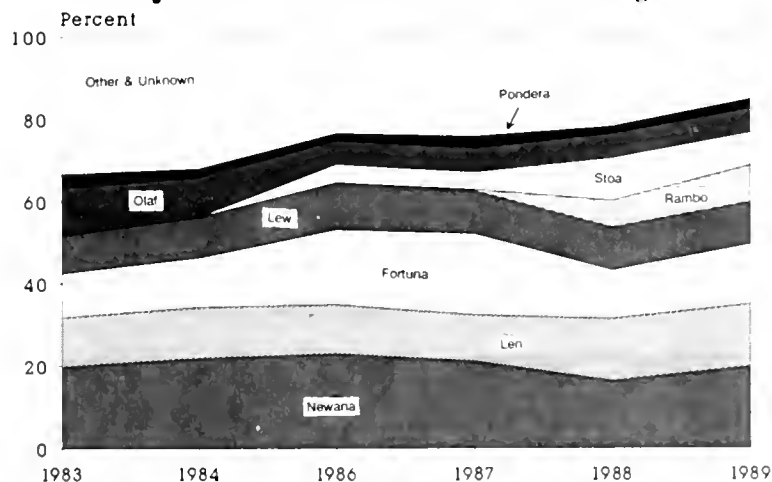
### Winter Wheat Varieties, Montana, 1983-1989 <sup>1</sup>

#### Major Varieties as a Percent of Total Acreage



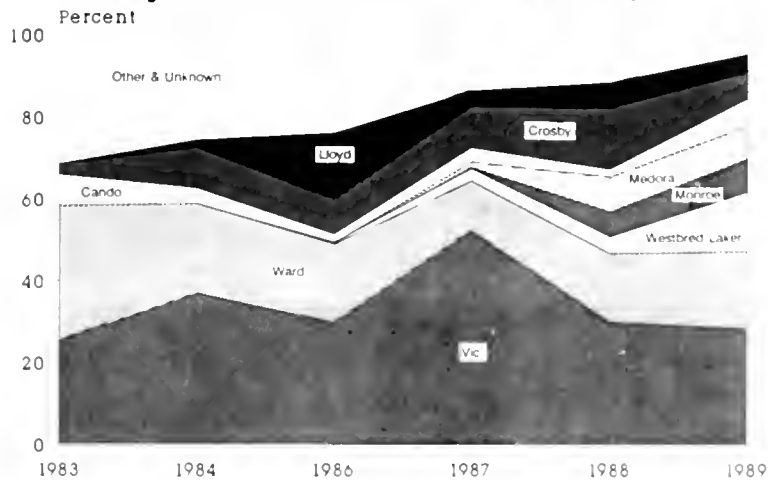
### Spring Wheat Varieties, Montana, 1983-1989 <sup>1</sup>

#### Major Varieties as a Percent of Total Acreage



### Durum Wheat Varieties, Montana, 1983-1989 <sup>1</sup>

#### Major Varieties as a Percent of Total Acreage



<sup>1</sup> 1985 not funded.

# MONTANA BARLEY VARIETIES: Percent of Total Seeded Acreage 1984-1989 & Seeded Acreage 1988 <sup>1</sup>-1989 <sup>2</sup>

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACREAGE	
	1984	1985	1986	1987	1988	1989	1988 <sup>1</sup>	1989 <sup>2</sup>
							--(000)--	
Hector	32.4	32.9	33.9	31.9	31.8	30.4	556.4	516.0
Harrington <sup>3</sup>	0.1	--	1.9	9.4	10.5	15.6	191.5	264.7
Klages <sup>3</sup>	13.1	8.6	11.5	14.6	11.0	9.9	201.0	168.9
Piroline	19.3	20.1	18.7	13.0	11.3	7.3	202.1	123.8
Clark <sup>3</sup>	15.6	15.8	16.7	10.9	6.7	6.8	120.8	115.8
Gallatin	--	--	--	0.1	2.6	5.6	46.8	95.7
Bowman	--	--	1.7	2.9	5.1	3.1	102.2	52.5
Lewis	--	--	0.6	1.8	3.2	2.5	55.7	42.0
Kimberly	0.9	3.0	1.1	2.7	2.5	2.5	45.0	41.9
Morex <sup>3</sup>	1.9	0.7	0.8	1.2	1.9	2.2	35.5	38.1
Horsford	1.2	1.7	0.7	0.8	0.7	1.6	13.5	26.4
AB 2601	--	--	--	--	--	1.4	--	23.8
AB 1202	--	--	--	--	0.3	1.2	5.7	20.5
Moravian III <sup>3</sup>	0.9	0.5	0.4	0.5	1.0	1.2	13.4	20.1
Menuet	1.5	1.8	1.8	2.2	1.7	1.1	30.5	19.4
Compana	0.6	2.6	0.6	0.9	1.1	0.7	20.7	12.7
Unitan	2.8	1.3	0.7	0.5	0.6	0.6	11.8	9.7
Summit	3.5	2.5	1.0	0.7	1.1	0.4	19.1	6.0
Larker	0.4	0.3	0.4	0.2	0.5	0.3	8.9	5.6
Russell	--	--	--	--	0.2	0.3	2.7	4.7
Westbred 501	--	0.2	0.2	0.2	0.3	0.2	7.0	4.1
Other & Unknown	5.8	8.0	7.3	5.5	6.1	5.2	109.6	87.6
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	1,800.0	1,700.0

<sup>1</sup> Revised <sup>2</sup> Preliminary <sup>3</sup> American Malting Barley Improvement Association, Inc. recommended malting varieties for Montana.

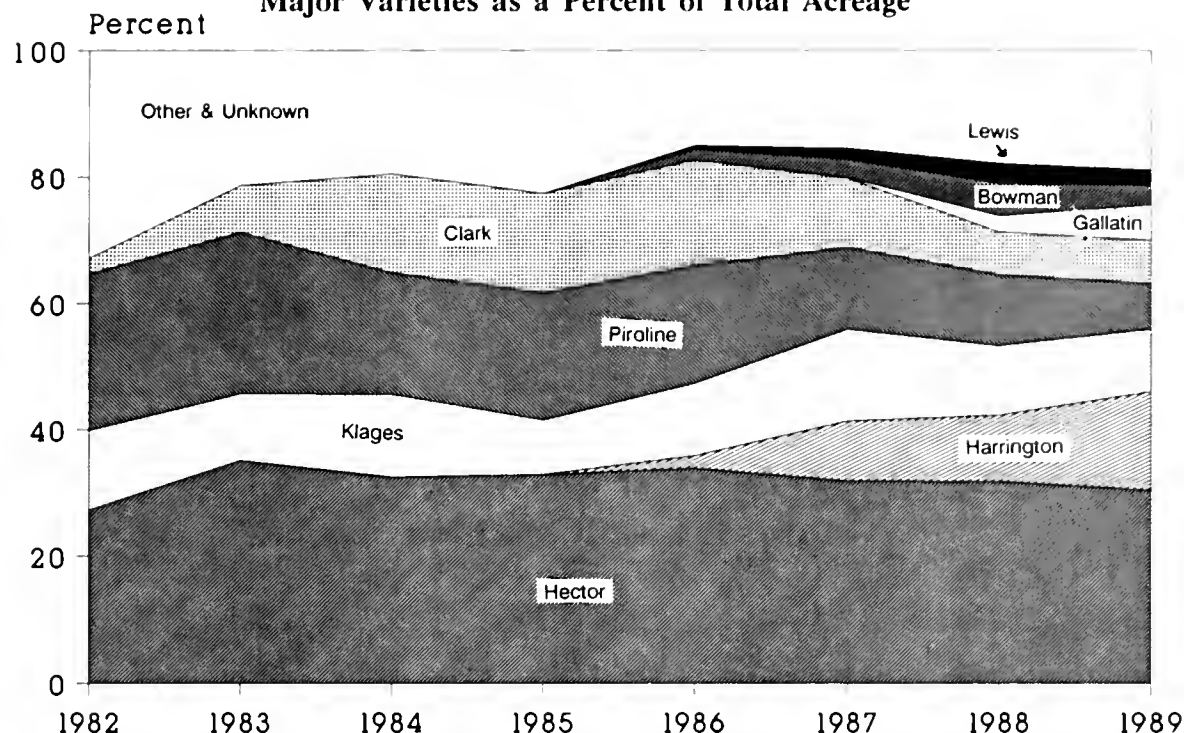
## MONTANA BARLEY VARIETIES: Seeded Acreage and Percent of Total By Districts, 1989 <sup>1</sup>

Variety	Northwest		N. Central		Northeast		Central		Southwest		S. Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Hector	1.8	2.6	164.1	20.1	200.7	64.7	86.1	32.2	1.2	1.4	35.5	38.2	26.6	42.9	516.0	30.4
Harrington <sup>2</sup>	1.0	1.4	210.8	25.9	2.6	0.8	48.2	18.1	2.0	2.4	0.1	0.1	--	--	264.7	15.6
Klages <sup>2</sup>	3.7	5.3	129.4	15.9	--	--	14.9	5.6	13.3	16.0	7.6	8.2	--	--	168.9	9.9
Piroline	--	--	87.8	10.8	7.1	2.3	19.9	7.5	1.8	2.2	4.0	4.3	3.2	5.2	123.8	7.3
Clark <sup>2</sup>	3.5	5.0	40.5	5.0	13.7	4.4	31.7	11.9	19.9	24.0	6.1	6.6	0.4	0.6	115.8	6.8
Gallatin	22.8	32.6	13.9	1.7	4.6	1.5	26.1	9.8	15.3	18.4	10.3	11.1	2.7	4.4	95.7	5.6
Bowman	--	--	3.1	0.4	27.9	9.0	3.2	1.2	--	--	5.9	6.3	12.4	20.0	52.5	3.1
Lewis	8.9	12.7	11.6	1.4	11.0	3.5	5.0	1.9	5.0	6.0	0.5	0.5	--	--	42.0	2.5
Kimberly	--	--	36.6	4.5	--	--	5.3	2.0	--	--	--	--	--	--	41.9	2.5
Morex <sup>2</sup>	--	--	19.3	2.4	3.6	1.2	3.9	1.5	7.1	8.6	1.3	1.4	2.9	4.7	38.1	2.2
Horsford	3.0	4.3	2.4	0.3	6.0	1.9	4.0	1.5	5.7	6.9	1.9	2.0	3.4	5.5	26.4	1.6
AB 2601	--	--	21.3	2.6	--	--	2.5	0.9	--	--	--	--	--	--	23.8	1.4
Moravian III <sup>2</sup>	--	--	10.8	1.3	--	--	--	--	0.6	0.7	8.7	9.4	--	--	20.1	1.2
AB 1202	--	--	16.2	2.0	--	--	1.1	0.4	--	--	3.2	3.4	--	--	20.5	1.2
Menuet	14.2	20.3	0.4	0.0	1.6	0.5	--	--	2.7	3.3	0.5	0.5	--	--	19.4	1.1
Compana	--	--	9.2	1.1	0.4	0.1	2.6	1.0	--	--	0.5	0.5	--	--	12.7	0.7
Unitan	--	--	0.2	0.0	5.1	1.6	--	--	3.7	4.5	--	--	0.7	1.1	9.7	0.6
Russell	0.9	1.3	3.4	0.4	--	--	0.4	0.1	--	--	--	--	--	--	4.7	0.3
Larker	--	--	--	--	3.4	1.1	--	--	--	--	--	--	2.2	3.5	5.6	0.3
Summit	--	--	--	--	--	--	4.4	1.6	--	--	1.6	1.7	--	--	6.0	0.4
Westbred 501	--	--	--	--	--	--	0.8	0.3	3.3	4.0	--	--	--	--	4.1	0.2
Unknown	10.2	14.6	34.0	4.2	22.3	7.2	6.9	2.6	1.4	1.7	5.3	5.7	7.5	12.1	87.6	5.2
ALL VARIETIES	70.0	100.0	815.0	100.0	310.0	100.0	267.0	100.0	83.0	100.0	93.0	100.0	62.0	100.0	1700.0	100.0

<sup>1</sup> Preliminary <sup>2</sup> American Malting Barley Improvement Association, Inc. recommended malting varieties for Montana.

NOTE: Funding for barley varieties was provided by the American Malting Barley Association and the Montana Wheat & Barley Committee.

# **Barley Varieties, Montana, 1982-1989** **Major Varieties as a Percent of Total Acreage**



## **MARKETINGS OF MAJOR CROPS: Estimated Percent of Farm Sales, Monthly, 1982-1983 to 1987-1988**

Marketing Year:	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>ALL WHEAT</b>												
	--Percent--											
1982-83	6	8	11	8	8	9	15	9	9	6	5	6
1983-84	5	15	10	9	9	6	10	8	8	10	7	3
1984-85	5	12	11	9	6	8	9	7	7	8	10	8
1985-86	3	8	9	10	9	12	13	5	7	7	7	10
1986-87	4	7	10	6	7	11	10	10	10	8	8	9
1987-88	5	10	9	11	6	8	13	9	8	7	7	7
<b>BARLEY</b>												
	--Percent--											
1982-83	3	7	11	6	6	11	12	3	10	15	8	8
1983-84	5	14	17	11	6	7	11	9	7	7	3	3
1984-85	5	18	13	13	9	6	8	4	6	5	7	6
1985-86	8	9	10	7	6	9	15	6	6	9	7	8
1986-87	4	6	8	10	10	12	13	16	12	4	2	3
1987-88	4	9	11	10	6	11	14	6	10	6	6	7
<b>OATS</b>												
	--Percent--											
1982-83	4	7	17	9	4	9	7	7	11	7	9	9
1983-84	11	6	12	11	8	5	13	8	18	4	2	2
1984-85	6	7	12	8	6	14	8	5	6	13	7	8
1985-86	9	11	13	12	1	3	8	5	11	18	7	12
1986-87	6	8	11	10	9	17	3	12	8	6	6	4
1987-88	2	8	11	14	8	12	11	9	7	4	8	6
<b>ALL HAY</b>												
	--Percent--											
1982-83	2	14	7	3	5	9	16	8	15	10	8	3
1983-84	2	15	13	3	11	14	12	10	10	4	3	3
1984-85	3	9	6	9	10	11	13	11	9	10	6	3
1985-86	5	11	6	8	9	10	13	10	9	9	7	3
1986-87	3	6	10	5	10	12	12	10	9	10	5	8
1987-88	2	7	9	5	9	11	13	9	10	11	7	7

## MONTANA'S RANK IN THE NATION'S AGRICULTURE

ITEM	UNIT	PERIOD OR DATE	RANK
Land in farms and ranches	60,600,000 acres	1989	2
Income from cash receipts, excluding Gov't payments:			
Total	1,386,053,000 dollars	1988	33
Crops	569,853,000 dollars	1988	--
Livestock	816,200,000 dollars	1988	--

### LIVESTOCK and LIVESTOCK PRODUCTS

All Cattle & Calves	2,350,000 head	Jan. 1, 1989	13
All Cows	1,349,000 head	Jan. 1, 1989	10
Beef Cows	1,324,000 head	Jan. 1, 1989	7
Milk Cows	25,000 head	Jan. 1, 1989	43
Cattle on Feed	90,000 head	Jan. 1, 1989	22
Hogs and Pigs	245,000 head	Dec. 1, 1988	23
Sheep and Lambs	568,000 head	Jan. 1, 1989	6
Wool Production	5,600,000 pounds	1988	5
All Chickens	910,000 birds	Dec. 1, 1988	41

### CROPS (Production)

All Wheat	59,970,000 bushels	1988	11
Winter Wheat	39,900,000 bushels	1988	13
Durum Wheat	2,070,000 bushels	1988	4
Spring Wheat Other than Durum	18,000,000 bushels	1988	4
Barley	30,000,000 bushels	1988	4
Oats	2,790,000 bushels	1988	24
All Hay	2,790,000 tons	1988	20
Alfalfa Hay	2,090,000 tons	1988	15
Dry Beans	76,000 cwt	1988	13
Potatoes--fall	2,156,000 cwt	1988	14
Sugarbeets	1,032,000 tons	1988	8
Corn			
Grain	2,200,000 bushels	1988	41
Silage	1,273,000 tons	1988	19

## CROPS AND LIVESTOCK: Record Highs and Lows, Montana

Item	Unit	RECORD HIGH		RECORD LOW		Year Estimate Started
		Quantity	Mo/Year <sup>1</sup>	Quantity	Mo/Year <sup>1</sup>	
<b>BARLEY</b>						
Planted	Acres	2,400,000	1986	146,000	1938	1926
Harvested	Acres	2,180,000	1986	2,000	1883	1882
Yield	Bu.	49.0	1982	12.0	1919	1882
Production	Bu.	94,500,000	1987	79,000	1883	1882
Price	\$/Bu.	3.03	Nov-1988	.23	Feb 1933	1910
All Stocks	Bu.	94,175,000	Sep-1987	2,886,000	July 1953	1945
<b>CORN</b>						
Planted All Purposes	Acres	236,000	1935	62,000	1970	1926
Harvested for GRAIN	Acres	101,000	1923	3,000	1965	1919
Grain Yield	Bu.	115.0	1986	8.5	1919	1919
Grain Production	Bu.	2,200,000	1988	135,000	1954	1919
Season Average Price	\$/Bu.	3.60	1980	.40	1932	1919
Harvested for SILAGE	Acres	73,000	1974	2,000	1931	1919
Silage Yield	Tons	21.0	1978	1.5	1934	1919
Silage Production	Tons	1,491,000	1978	7,000	1928	1919
<b>ALFALFA HAY</b>						
Harvested	Acres	1,360,000	1981	374,000	1919	1919
Yield	Tons	2.60	1981	1.20	1935	1919
Production	Tons	3,536,000	1981	598,000	1919	1919
Price	\$/Ton	105.00	Apr 1989	6.70	Aug 1939	1939
<b>ALL OTHER HAY</b>						
Harvested	Acres	1,390,000	1965	700,000	1988	1963
Yield	Tons	1.50	1987	1.00	1988	1963
Production	Tons	1,678,000	1965	700,000	1968	1963
Price	\$/Ton	94.00	Apr 1989	12.00	May 1958	1953
<b>ALL HAY</b>						
Harvested	Acres	2,585,000	1953	1,125,000	1910	1909
Yield	Tons	2.09	1981	.88	1936	1909
Production	Tons	4,964,000	1981	1,283,000	1910	1909
Price	\$/Ton	104.00	Apr-1989	6.50	Aug 1939	1939
All Stocks	Tons	4,842,000	Dec-1987	73,000	May 1932	1930
<b>OATS</b>						
Planted	Acres	781,000	1970	200,000	1986	1929
Harvested	Acres	650,000	1918	46,000	1882	1882
Yield	Bu.	55.0	1987	13.5	1919	1882
Production	Bu.	25,650,000	1915	1,600,000	1889	1882
Price	\$/Bu.	2.49	Sep-1988	.20	Feb-1933	1910
All Stock	Bu.	29,432,000	Oct 1970	1,338,000	July 1950	1945
<b>ALL WHEAT</b>						
Planted	Acres	6,340,000	1989	2,543,000	1916	1916
Harvested	Acres	5,969,000	1953	9,000	1876	1873
Yield	Bu.	33.6	1982	5.0	1919	1873
Production	Bu.	180,320,000	1982	162,000	1876	1873
Price	\$/Bu.	5.45	Feb 1974	.25	Dec-1932	1910
All Stocks	Bu.	234,709,000	Oct-1982	1,763,000	July 1932	1930
<b>DURUM WHEAT</b>						
Planted	Acres	1,017,000	1956	15,000	1954	1954
Harvested	Acres	978,000	1956	14,000	1954	1954
Yield	Bu.	31.5	1972	9.0	1968	1954
Production	Bu.	18,093,000	1956	189,000	1954	1954
Price	\$/Bu.	7.47	Jan 1974	1.20	Feb 1970	1955
All Stocks	Bu.	17,320,000	Oct 1982	487,000	July 1966	1964
<b>SPRING WHEAT OTHER THAN DURUM</b>						
Planted	Acres	3,500,000	1989	1,129,000	1969	1954
Harvested	Acres	3,400,000	1989	1,104,000	1969	1954
Yield	Bu.	31.0	1982	9.0	1961	1954
Production	Bu.	89,900,000	1982	13,518,000	1961	1954
Price	\$/Bu.	5.33	Feb 1974	.26	Dec 1932	1929
All Stocks	Bu.	109,861,000	Oct 1982	9,062,000	July 1975	1971
<b>WINTER WHEAT</b>						
Planted	Acres	3,200,000	1976	150,000	1909	1909
Harvested	Acres	3,080,000	1976	127,000	1909	1909
Yield	Bu.	38.0	1982	5.2	1919	1909
Production	Bu.	105,000,000	1975	2,798,000	1919	1909
Price	\$/Bu.	5.40	Feb-1974	.24	Dec 1932	1929
All Stocks	Bu.	114,590,000	Sep 1987	7,418,000	July 1974	1971
<b>CATTLE</b>						
All Cattle & Calves, Jan. 1	Head	3,380,000	1974	309,000	1875	1875
Beef Cows, Jan. 1 <sup>2</sup>	Head	1,746,000	1974	294,000	1938	1924
Milk Cows, Jan. 1 <sup>2</sup>	Head	215,000	1934	8,000	1880	1875
Calves Born	Head	1,730,000	1973	350,000	1938	1924
Beef Cattle Prices	\$/Cwt.	76.00	Apr 1979	2.70	Dec 1933	1910
Calf Prices	\$/Cwt.	97.80	Apr 1979	4.10	Jan 1934	1910
<b>HOGS</b>						
All Hogs, Dec. 1	Head	445,000	1944	1,000	1867	1867
Dec May Pig Crop	Head	421,000	1943	83,000	1937	1924
June Nov Pig Crop	Head	277,000	1943	57,000	1934	1924
All Hog & Pig Prices	\$/Cwt.	57.40	Sep 1982	2.60	Jan 1933	1910
<b>SHEEP</b>						
All Sheep & Lambs, Jan. 1	Head	4,280,000	1934	473,000	1986	1930
Total Stock Sheep, Jan. 1	Head	5,736,000	1903	3,000	1867	1867
Sheep/Lambs on Feed, Jan. 1	Head	428,000	1945	14,000	1980	1930
Ewes 1 Yr Plus, Jan. 1	Head	3,268,000	1931	370,000	1987	1924
Lambs Crop	Head	2,695,000	1934	360,000	1979	1910
Sheep Prices	\$/Cwt.	29.90	Feb 1987	1.95	Nov 1932	1910
Lamb Prices	\$/Cwt.	90.60	Jan 1988	3.50	Jan 1932	1910
Wool Production	Pounds	38,370,000	1911	4,379,000	1976	1909
Wool Price	\$/lb.	1.67	July 1988	.07	July 1931	1910
<b>CHICKEN &amp; EGGS</b>						
All Chickens, Dec. 1	Head	2,738,000	1944	890,000	1979	1924
Average number of Layers	Head	1,870,000	1925	727,000	1980	1924
Egg Production	Eggs	265,000,000	1944	162,000,000	1937	1924

<sup>1</sup> In case of a tie, the most recent year was used<sup>2</sup> Cows two years old and older prior to 1970 Cows calved since 1970

Current year records preliminary

# NUMERICAL RANKING OF COUNTIES: Crop Production, 1988

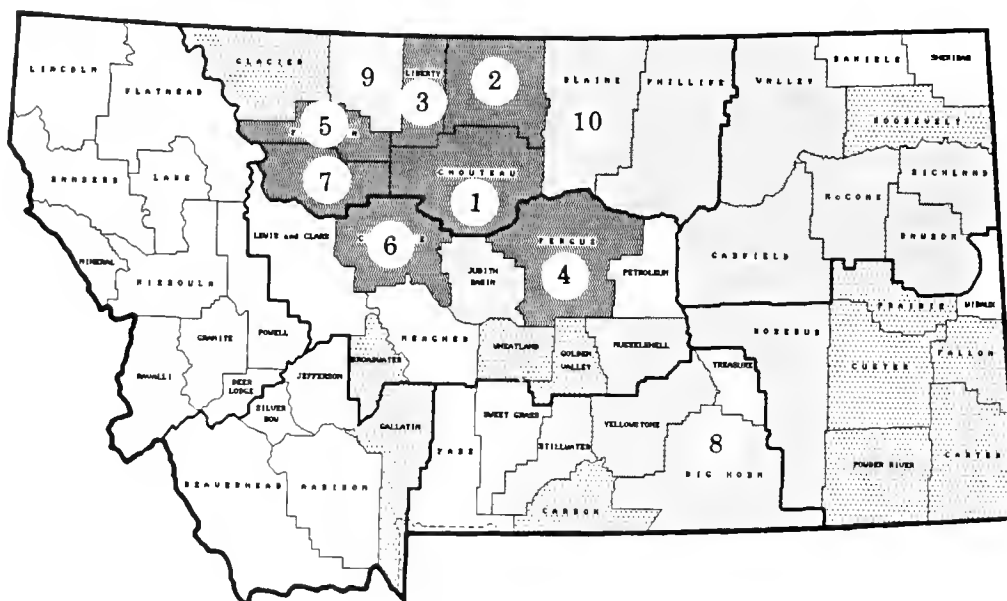
COUNTY	CROP PRODUCTION						
	All Wheat	Winter Wheat	Hard Spring Wheat	Durum Wheat	Barley	Oats	All Hay
Beaverhead . . . . .	31	37	20	20	19	44	1
Big Horn . . . . .	11	8	23	0	14	41	9
Blaine . . . . .	10	12	7	25	18	3	29
Broadwater . . . . .	23	21	15	7	20	31	20
Carbon . . . . .	34	31	35	14	16	4	7
Carter . . . . .	43	39	38	0	51	52	49
Cascade . . . . .	6	5	18	22	10	20	26
Chouteau . . . . .	1	1	11	8	4	10	39
Custer . . . . .	37	32	42	0	41	29	29
Daniels . . . . .	22	45	6	6	30	36	52
Dawson . . . . .	20	15	16	17	29	24	34
Deerlodge . . . . .	52	52	44	0	49	0	43
Fallon . . . . .	39	41	26	0	45	49	51
Fergus . . . . .	5	2	25	25	5	6	8
Flathead . . . . .	26	22	27	0	9	27	14
Gallatin . . . . .	12	9	17	13	3	5	3
Garfield . . . . .	25	17	30	0	37	9	48
Glacier . . . . .	9	25	2	10	6	34	38
Golden Valley . . . . .	32	24	45	0	44	37	46
Granite . . . . .	53	0	48	0	54	49	22
Hill . . . . .	2	3	1	18	7	11	50
Jefferson . . . . .	46	42	40	0	39	8	16
Judith Basin . . . . .	17	10	32	24	12	20	27
Lake . . . . .	30	27	21	0	17	2	4
Lewis & Clark . . . . .	33	28	31	23	24	25	18
Liberty . . . . .	8	7	14	21	15	45	56
Lincoln . . . . .	0	0	0	0	0	54	36
McCone . . . . .	16	14	12	19	34	11	40
Madison . . . . .	36	40	24	14	23	32	2
Meagher . . . . .	44	38	43	0	28	16	21
Mineral . . . . .	55	54	0	0	0	0	54
Missoula . . . . .	47	47	34	0	42	46	25
Musselshell . . . . .	28	19	50	0	42	25	37
Park . . . . .	38	33	41	0	27	17	6
Petroleum . . . . .	41	35	52	0	46	39	42
Phillips . . . . .	19	18	10	16	13	14	17
Pondera . . . . .	4	5	8	3	2	41	28
Powder River . . . . .	40	34	53	0	53	47	43
Powell . . . . .	45	44	33	0	33	33	10
Prairie . . . . .	42	36	49	0	47	48	45
Ravalli . . . . .	49	51	37	0	25	14	5
Richland . . . . .	21	26	9	8	26	1	29
Roosevelt . . . . .	15	30	5	2	32	22	33
Rosebud . . . . .	27	23	29	0	35	38	24
Sanders . . . . .	51	49	45	0	49	41	23
Sheridan . . . . .	14	50	19	1	22	13	40
Silver Bow . . . . .	54	53	0	0	48	51	47
Stillwater . . . . .	24	16	39	0	31	35	19
Sweet Grass . . . . .	50	45	51	0	40	22	13
Teton . . . . .	3	4	13	4	1	39	15
Toole . . . . .	7	13	4	5	8	17	53
Treasure . . . . .	48	47	36	0	36	30	35
Valley . . . . .	13	29	3	11	21	28	12
Wheatland . . . . .	29	20	47	0	38	17	32
Wilbax . . . . .	35	43	22	11	52	53	55
Yellowstone . . . . .	18	11	28	0	11	7	11



# NUMERICAL RANKING OF COUNTIES: Livestock Numbers, 1987-1988 and Cash Receipts--1987

COUNTY	LIVESTOCK NUMBERS			CASH RECEIPTS--1987		
	Cattle	Sheep	Hogs	All	Livestock and	Crops
	Jan. 1, 1988	Jan 1, 1988	Dec. 1, 1987	Products	Products	
Beaverhead . . . . .	1	6	50	7	4	27
Big Horn . . . . .	2	35	15	5	5	11
Blaine . . . . .	10	26	8	22	21	20
Broadwater . . . . .	40	28	44	40	41	28
Carbon . . . . .	16	11	26	14	11	16
Carter . . . . .	14	1	36	31	17	44
Cascade . . . . .	12	16	6	3	2	10
Chouteau . . . . .	26	44	3	6	26	1
Custer . . . . .	9	13	42	11	6	35
Daniels . . . . .	52	43	19	39	51	26
Dawson . . . . .	31	38	32	26	34	17
Deer Lodge . . . . .	53	54	55	54	53	54
Fallon . . . . .	29	23	24	41	35	37
Fergus . . . . .	5	14	16	9	9	8
Flathead . . . . .	41	42	9	24	25	25
Gallatin . . . . .	11	21	22	2	3	6
Garfield . . . . .	18	2	34	27	18	32
Glacier . . . . .	39	39	1	17	24	14
Golden Valley . . . . .	45	19	29	46	38	46
Granite . . . . .	33	51	49	48	37	53
Hill . . . . .	42	52	4	8	33	2
Jefferson . . . . .	43	46	35	47	45	41
Judith Basin . . . . .	17	17	41	21	20	19
Lake . . . . .	19	31	17	16	13	21
Lewis & Clark . . . . .	28	20	30	37	29	36
Liberty . . . . .	51	50	2	20	42	9
Lincoln . . . . .	55	56	39	55	55	56
Madison . . . . .	4	8	27	12	7	29
McCone . . . . .	34	7	28	32	44	18
Meagher . . . . .	15	27	33	34	27	38
Mineral . . . . .	56	55	52	56	56	55
Missoula . . . . .	50	45	51	51	47	51
Musselshell . . . . .	35	10	38	43	40	30
Park . . . . .	20	33	47	33	23	39
Petroleum . . . . .	38	34	56	49	43	49
Phillips . . . . .	7	15	10	19	15	24
Pondera . . . . .	44	32	5	13	36	3
Powder River . . . . .	6	5	48	30	14	42
Powell . . . . .	22	41	46	45	32	47
Prairie . . . . .	30	36	40	36	30	34
Ravalli . . . . .	24	29	25	23	12	40
Richland . . . . .	27	24	21	10	16	5
Roosevelt . . . . .	46	22	23	28	49	13
Rosebud . . . . .	8	9	37	15	10	23
Sanders . . . . .	37	48	45	50	46	50
Sheridan . . . . .	48	30	18	35	50	22
Silver Bow . . . . .	54	53	53	53	54	52
Stillwater . . . . .	21	12	7	29	19	31
Sweet Grass . . . . .	25	4	20	38	28	48
Teton . . . . .	23	18	11	4	8	4
Toole . . . . .	49	49	14	25	48	12
Treasure . . . . .	36	47	54	44	39	33
Valley . . . . .	13	37	13	18	22	15
Wheatland . . . . .	32	3	12	42	31	43
Wibaux . . . . .	47	40	43	52	52	45
Yellowstone . . . . .	3	25	31	1	1	~

### WINTER WHEAT - 1988 HARVESTED ACREAGE



Numbers show ranking of top ten.

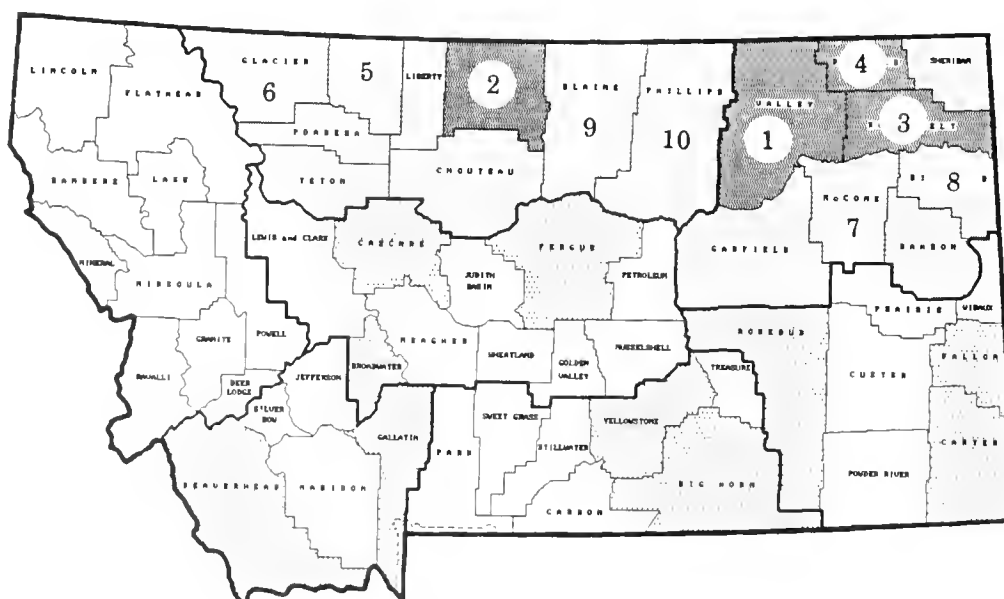
0-9,999

30,000-89,999

10,000-29,999

90,000-330,000

### SPRING WHEAT EXCLUDING DURUM - 1988 HARVESTED ACREAGE



Numbers show ranking of top ten.

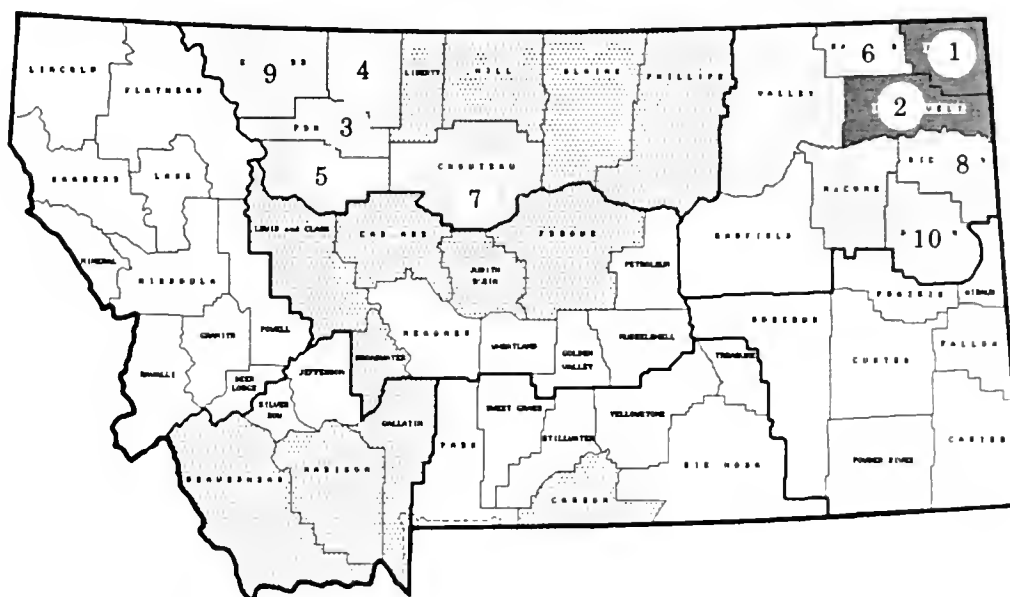
0-10,999

40,000-119,999

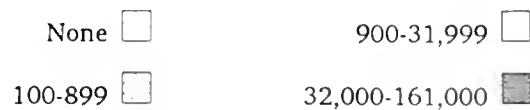
11,000-39,999

120,000-235,000

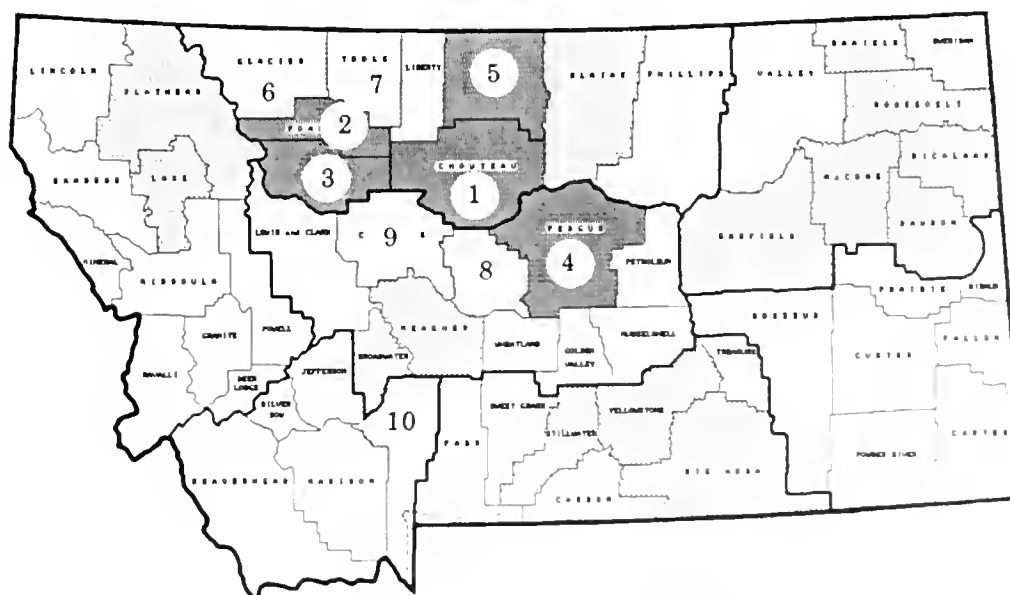
### DURUM WHEAT - 1988 HARVESTED ACREAGE



Numbers show ranking of top ten.



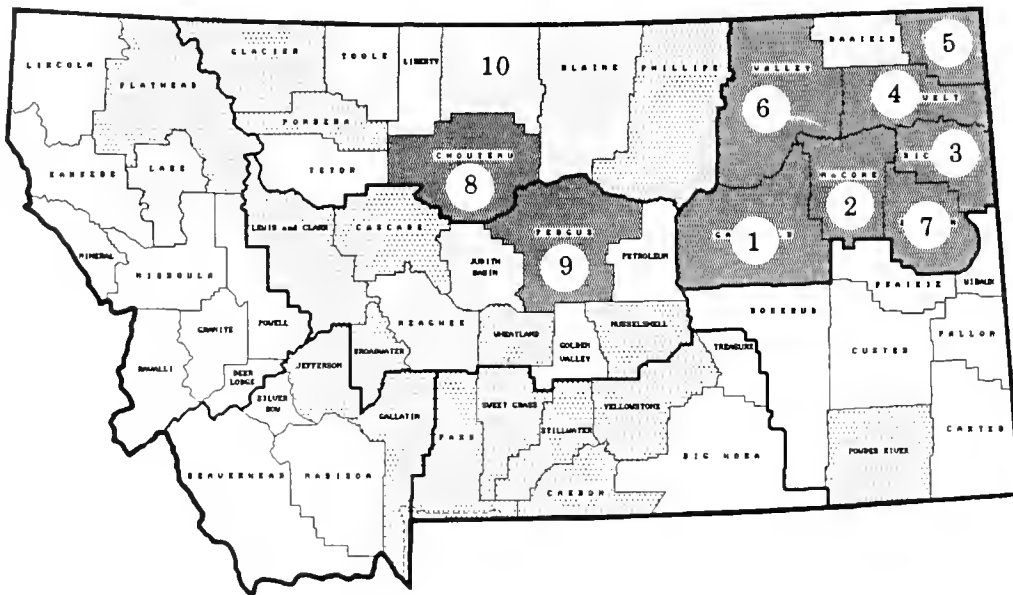
### BARLEY - 1988 HARVESTED ACREAGE



Numbers show ranking of top ten.



### OATS - 1988 HARVESTED ACREAGE



Numbers show ranking of top ten.

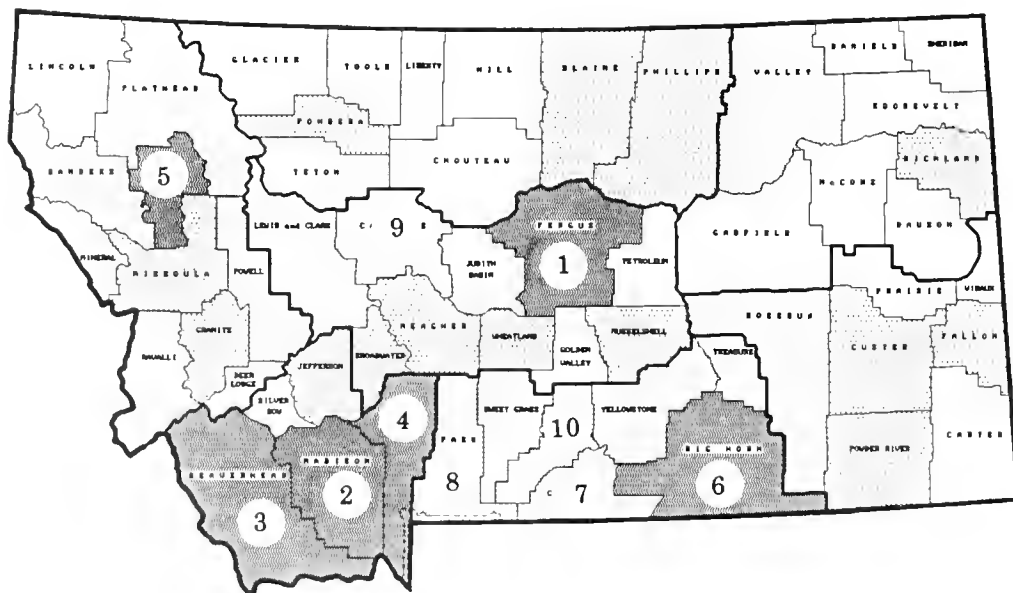
0-999

2,000-2,999

1,000-1,999

3,000-7,500

### ALFALFA HAY - 1988 HARVESTED ACREAGE



Numbers show ranking of top ten.

0-9,999

22,000-45,999

10,000-21,999

46,000-74,000

**ALL CROPS: Harvested Acres, Irrigated and Non-Irrigated, 1987-1988**

COUNTY & DISTRICT	IRRIGATED		NON-IRRIGATED	
	Harvested Acres - 1987	Harvested Acres - 1988	Harvested Acres - 1987	Harvested Acres - 1988
Deer Lodge . . . . .	12,140	10,300	700	900
Flathead . . . . .	31,840	33,990	50,300	28,200
Granite . . . . .	25,200	29,400	1,600	1,300
Lake . . . . .	55,050	67,560	28,800	21,000
Lincoln . . . . .	7,100	8,500	4,000	3,600
Mineral . . . . .	2,800	1,500	1,600	2,300
Missoula . . . . .	23,930	22,850	9,900	3,200
Powell . . . . .	52,100	47,400	6,200	6,900
Ravalli . . . . .	38,760	46,850	6,300	3,500
Sanders . . . . .	15,900	20,500	14,600	14,500
<b>NORTHWEST . . . . .</b>	<b>264,820</b>	<b>288,850</b>	<b>124,000</b>	<b>85,400</b>
Blaine . . . . .	32,450	25,700	207,400	162,300
Chouteau . . . . .	21,450	19,300	661,600	481,300
Glacier . . . . .	21,100	22,300	215,100	161,100
Hill . . . . .	8,300	8,500	561,700	438,600
Liberty . . . . .	3,800	5,600	317,100	214,400
Phillips . . . . .	50,300	34,600	215,700	149,600
Pondera . . . . .	62,350	52,800	275,200	221,200
Teton . . . . .	68,800	77,400	260,200	173,400
Toole . . . . .	4,600	3,400	302,700	237,700
<b>NORTH CENTRAL . . . . .</b>	<b>273,150</b>	<b>249,670</b>	<b>3,016,700</b>	<b>2,239,600</b>
Daniels . . . . .	1,200	1,500	256,600	171,500
Dawson . . . . .	17,190	16,340	224,000	149,500
Garfield . . . . .	8,100	6,900	139,400	113,900
McCone . . . . .	9,300	7,400	284,200	196,400
Richland . . . . .	44,550	46,000	213,600	149,600
Roosevelt . . . . .	12,320	12,520	343,900	246,400
Sheridan . . . . .	4,430	4,930	309,400	272,800
Valley . . . . .	31,750	41,500	355,300	268,400
<b>NORTHEAST . . . . .</b>	<b>128,840</b>	<b>137,150</b>	<b>2,126,400</b>	<b>1,568,500</b>
Broadwater . . . . .	37,800	35,630	47,900	37,200
Cascade . . . . .	30,050	25,600	267,700	182,800
Fergus . . . . .	22,650	18,800	345,200	284,300
Golden Valley . . . . .	8,600	8,000	44,400	30,500
Judith Basin . . . . .	13,700	7,300	177,300	142,700
Lewis & Clark . . . . .	31,350	29,000	32,200	26,600
Meagher . . . . .	27,600	30,300	41,200	29,700
Musselshell . . . . .	10,800	9,600	66,400	46,200
Petroleum . . . . .	11,300	7,200	26,200	16,400
Wheatland . . . . .	17,400	13,950	45,500	33,700
<b>CENTRAL . . . . .</b>	<b>211,250</b>	<b>185,380</b>	<b>1,094,000</b>	<b>830,100</b>
Beaverhead . . . . .	134,810	154,890	12,300	9,700
Gallatin . . . . .	71,860	85,950	103,800	71,000
Jefferson . . . . .	25,100	29,100	15,400	5,600
Madison . . . . .	91,200	106,310	22,000	7,800
Silver Bow . . . . .	7,200	7,600	800	500
<b>SOUTHWEST . . . . .</b>	<b>330,170</b>	<b>383,850</b>	<b>154,300</b>	<b>94,600</b>
Big Horn . . . . .	45,400	41,600	164,600	125,100
Carbon . . . . .	65,870	66,870	41,800	27,700
Park . . . . .	53,400	56,100	26,200	19,000
Stillwater . . . . .	22,150	25,050	104,900	78,600
Sweet Grass . . . . .	29,500	37,100	30,100	15,500
Treasure . . . . .	21,640	20,040	9,200	6,400
Yellowstone . . . . .	63,390	66,930	130,200	99,500
<b>SOUTH CENTRAL . . . . .</b>	<b>301,350</b>	<b>313,740</b>	<b>507,000</b>	<b>371,800</b>
Carter . . . . .	8,500	4,700	107,200	38,000
Custer . . . . .	27,740	22,490	70,200	35,100
Fallon . . . . .	7,250	3,900	121,800	44,900
Powder River . . . . .	14,080	7,600	79,700	29,800
Prairie . . . . .	10,200	14,950	61,700	29,000
Rosebud . . . . .	39,100	32,880	81,700	58,500
Wibaux . . . . .	2,100	2,900	78,300	44,200
<b>SOUTHEAST . . . . .</b>	<b>108,970</b>	<b>89,460</b>	<b>600,600</b>	<b>279,500</b>
<b>MONTANA . . . . .</b>	<b>1,618,500</b>	<b>1,648,100</b>	<b>7,623,000</b>	<b>5,469,500</b>

# ALL WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1987

COUNTY & DISTRICT	ACRES				Yield Per Acre	Production -----Bushels-----
	Gross Seeded	Reseeded <sup>1</sup>	Net Seeded	Harvested for Grain		
Deer Lodge	400	0	400	300	66.7	20,000
Flathead	11,400	0	11,400	11,200	55.5	622,000
Granite	700	0	700	700	42.9	30,000
Lake	14,200	0	14,200	12,700	52.0	660,000
Lincoln	0	0	0	0	0.0	0
Mineral	100	0	100	100	40.0	4,000
Missoula	3,300	0	3,300	3,300	40.3	133,000
Powell	2,600	0	2,600	2,500	31.2	78,000
Ravalli	2,900	0	2,900	2,800	45.7	128,000
Sanders	1,400	0	1,400	1,400	35.7	50,000
<b>NORTHWEST</b>	<b>37,000</b>	<b>0</b>	<b>37,000</b>	<b>35,000</b>	<b>49.3</b>	<b>1,725,000</b>
Blaine	145,100	1,600	143,500	139,100	31.7	4,414,000
Chouteau	421,300	5,700	415,600	407,200	33.0	13,447,000
Glacier	112,400	100	112,300	108,000	32.8	3,547,000
Hill	433,300	4,400	428,900	419,300	31.8	13,341,000
Liberty	227,800	600	227,200	222,100	30.9	6,862,000
Phillips	140,600	0	140,600	135,600	27.9	3,784,000
Pondera	165,600	0	165,600	161,500	39.0	6,293,000
Teton	148,800	600	148,200	144,700	40.4	5,852,000
Toole	200,600	100	200,500	190,500	28.1	5,361,000
<b>NORTH CENTRAL</b>	<b>1,995,500</b>	<b>13,100</b>	<b>1,982,400</b>	<b>1,928,000</b>	<b>32.6</b>	<b>62,901,000</b>
Daniels	199,900	200	199,700	191,600	23.6	4,524,000
Dawson	154,900	500	154,400	147,700	31.7	4,677,000
Garfield	94,000	100	93,900	89,000	30.4	2,709,000
McCone	191,800	0	191,800	183,800	31.6	5,800,000
Richland	144,800	0	144,800	137,800	31.8	4,383,000
Roosevelt	276,700	0	276,700	265,500	27.8	7,386,000
Sheridan	229,800	0	229,800	221,000	26.2	5,782,000
Valley	274,600	200	274,400	263,600	25.7	6,772,000
<b>NORTHEAST</b>	<b>1,566,500</b>	<b>1,000</b>	<b>1,565,500</b>	<b>1,500,000</b>	<b>28.0</b>	<b>42,033,000</b>
Broadwater	38,600	200	38,400	37,600	43.6	1,638,000
Cascade	154,300	800	153,500	148,300	34.2	5,073,000
Fergus	146,800	400	146,400	140,100	40.4	5,665,000
Golden Valley	30,000	0	30,000	29,000	31.3	908,000
Judith Basin	67,100	0	67,100	65,000	40.7	2,644,000
Lewis & Clark	14,000	0	14,000	13,500	35.3	476,000
Meagher	9,800	0	9,800	9,200	35.4	326,000
Musselshell	45,000	0	45,000	43,900	24.7	1,083,000
Petroleum	15,400	0	15,400	14,900	24.4	363,000
Wheatland	31,000	0	31,000	29,500	36.3	1,071,000
<b>CENTRAL</b>	<b>552,000</b>	<b>1,400</b>	<b>550,600</b>	<b>531,000</b>	<b>36.2</b>	<b>19,247,000</b>
Beaverhead	14,500	200	14,300	13,500	57.5	776,000
Gallatin	53,100	100	53,000	50,100	55.3	2,771,000
Jefferson	11,800	200	11,600	11,200	46.3	518,000
Madison	11,800	0	11,800	11,400	54.1	617,000
Silver Bow	100	0	100	100	70.0	7,000
<b>SOUTHWEST</b>	<b>91,300</b>	<b>500</b>	<b>90,800</b>	<b>86,300</b>	<b>54.3</b>	<b>4,689,000</b>
Big Horn	103,900	0	103,900	100,000	35.3	3,526,000
Carbon	23,900	0	23,900	23,000	35.7	820,000
Park	15,900	1,200	14,700	14,000	39.2	549,000
Stillwater	55,100	0	55,100	45,000	32.0	1,438,000
Sweet Grass	6,700	0	6,700	6,500	36.6	238,000
Treasure	7,000	0	7,000	6,500	42.0	273,000
Yellowstone	91,500	0	91,500	89,000	36.2	3,226,000
<b>SOUTH CENTRAL</b>	<b>304,000</b>	<b>1,200</b>	<b>302,800</b>	<b>284,000</b>	<b>35.5</b>	<b>10,070,000</b>
Carter	57,300	1,200	56,100	54,000	32.4	1,749,000
Custer	48,200	0	48,200	44,000	33.1	1,456,000
Fallon	63,000	0	63,000	58,000	29.2	1,695,000
Powder River	34,700	0	34,700	31,000	35.5	1,102,000
Prairie	36,900	100	36,800	34,500	34.1	1,176,000
Rosebud	57,300	0	57,300	54,500	36.2	1,971,000
Wibaux	51,300	0	51,300	49,700	28.3	1,406,000
<b>SOUTHEAST</b>	<b>348,700</b>	<b>1,300</b>	<b>347,400</b>	<b>325,700</b>	<b>32.4</b>	<b>10,555,000</b>
<b>MONTANA</b>	<b>4,895,000</b>	<b>18,500</b>	<b>4,876,500</b>	<b>4,690,000</b>	<b>32.2</b>	<b>151,220,000</b>

<sup>1</sup> Winter Wheat Reseeded to Spring Wheat.

**ALL WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1988**

COUNTY & DISTRICT	ACRES			Harvested for Grain	Yield Per Acre	Production -----Bushels-----
	Gross Seeded	Reseeded <sup>1</sup>	Net Seeded			
Deerlodge . . . . .	1,100	0	1,100	1,000	41.5	41,500
Flathead . . . . .	9,500	0	9,500	9,100	62.5	569,000
Granite . . . . .	300	0	300	300	48.3	14,500
Lake . . . . .	12,000	300	11,700	11,100	44.2	491,000
Lincoln . . . . .	0	0	0	0	0.0	0
Mineral . . . . .	300	0	300	300	36.7	11,000
Missoula . . . . .	2,100	0	2,100	2,000	56.5	113,000
Powell . . . . .	2,700	0	2,700	2,600	49.2	128,000
Ravalli . . . . .	2,000	0	2,000	1,700	49.4	84,000
Sanders . . . . .	2,000	0	2,000	1,900	34.2	65,000
<b>NORTHWEST . . . . .</b>	<b>32,000</b>	<b>300</b>	<b>31,700</b>	<b>30,000</b>	<b>50.6</b>	<b>1,517,000</b>
Blaine . . . . .	170,000	1,900	168,100	133,000	14.7	1,949,700
Chouteau . . . . .	420,000	1,500	418,500	355,000	17.2	6,121,000
Glacier . . . . .	116,000	0	116,000	100,000	20.4	2,042,500
Hill . . . . .	420,000	800	419,200	359,000	14.0	5,037,500
Liberty . . . . .	200,000	0	200,000	174,000	12.6	2,196,800
Phillips . . . . .	120,000	0	120,000	100,000	12.6	1,257,000
Pondera . . . . .	168,000	100	167,900	151,000	23.6	3,559,000
Teton . . . . .	144,000	0	144,000	130,000	27.8	3,617,000
Toole . . . . .	205,000	2,100	202,900	170,000	13.0	2,204,500
<b>NORTH CENTRAL . . . . .</b>	<b>1,963,000</b>	<b>6,300</b>	<b>1,956,700</b>	<b>1,672,000</b>	<b>16.7</b>	<b>27,985,000</b>
Daniels . . . . .	186,000	0	186,000	135,000	7.7	1,035,000
Dawson . . . . .	141,000	1,000	140,000	105,000	11.6	1,217,000
Garfield . . . . .	112,000	0	112,000	80,000	8.2	652,000
McCone . . . . .	188,500	0	188,500	149,000	10.2	1,522,300
Richland . . . . .	156,000	0	156,000	116,000	9.4	1,094,000
Roosevelt . . . . .	276,000	0	276,000	197,000	7.7	1,526,300
Sheridan . . . . .	255,500	0	255,500	209,000	8.1	1,702,400
Valley . . . . .	274,000	1,800	272,200	217,000	7.9	1,713,000
<b>NORTHEAST . . . . .</b>	<b>1,589,000</b>	<b>2,800</b>	<b>1,586,200</b>	<b>1,208,000</b>	<b>8.7</b>	<b>10,462,000</b>
Broadwater . . . . .	40,000	100	39,900	35,000	29.2	1,022,200
Cascade . . . . .	135,000	100	134,900	118,000	25.6	3,020,900
Fergus . . . . .	142,000	100	141,900	124,000	28.3	3,508,700
Golden Valley . . . . .	30,000	0	30,000	25,000	17.8	446,000
Judith Basin . . . . .	65,000	0	65,000	56,000	24.0	1,346,400
Lewis & Clark . . . . .	14,000	0	14,000	13,000	29.5	383,800
Meagher . . . . .	11,500	0	11,500	10,000	15.1	151,000
Musselshell . . . . .	36,000	0	36,000	31,000	17.3	537,000
Petroleum . . . . .	11,500	0	11,500	10,000	18.0	180,000
Wheatland . . . . .	34,000	0	34,000	28,000	19.0	532,000
<b>CENTRAL . . . . .</b>	<b>519,000</b>	<b>300</b>	<b>518,700</b>	<b>450,000</b>	<b>24.7</b>	<b>11,128,000</b>
Beaverhead . . . . .	12,500	0	12,500	11,000	42.5	467,000
Gallatin . . . . .	40,000	400	39,600	36,500	47.2	1,721,000
Jefferson . . . . .	6,000	100	5,900	4,500	25.3	114,000
Madison . . . . .	8,000	0	8,000	7,500	33.3	250,000
Silver Bow . . . . .	500	0	500	500	24.0	12,000
<b>SOUTHWEST . . . . .</b>	<b>67,000</b>	<b>500</b>	<b>66,500</b>	<b>60,000</b>	<b>42.7</b>	<b>2,564,000</b>
Big Horn . . . . .	93,900	0	93,900	80,000	22.1	1,767,000
Carbon . . . . .	16,600	100	16,500	15,000	20.7	311,000
Park . . . . .	12,000	0	12,000	10,000	23.4	234,000
Stillwater . . . . .	46,000	1,000	45,000	38,000	19.4	738,000
Sweet Grass . . . . .	6,000	0	6,000	5,000	14.0	70,000
Treasure . . . . .	5,500	0	5,500	4,000	26.3	105,000
Yellowstone . . . . .	80,000	0	80,000	70,000	18.6	1,303,000
<b>SOUTH CENTRAL . . . . .</b>	<b>260,000</b>	<b>1,100</b>	<b>258,900</b>	<b>222,000</b>	<b>20.4</b>	<b>4,528,000</b>
Carter . . . . .	40,000	4,000	36,000	21,000	8.2	172,000
Custer . . . . .	40,000	1,100	38,900	28,000	8.7	244,000
Fallon . . . . .	50,000	0	50,000	26,000	7.5	196,000
Powder River . . . . .	25,000	4,500	20,500	17,000	10.8	183,000
Prairie . . . . .	39,000	2,100	36,900	19,000	9.3	177,000
Rosebud . . . . .	56,000	0	56,000	42,000	13.3	557,000
Wibaux . . . . .	50,000	0	50,000	35,000	7.3	257,000
<b>SOUTHEAST . . . . .</b>	<b>300,000</b>	<b>11,700</b>	<b>288,300</b>	<b>188,000</b>	<b>9.5</b>	<b>1,786,000</b>
<b>MONTANA . . . . .</b>	<b>4,730,000</b>	<b>23,000</b>	<b>4,707,000</b>	<b>3,830,000</b>	<b>15.7</b>	<b>59,970,000</b>

<sup>1</sup> Winter Wheat Reseeded to Spring Wheat.

# WINTER WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1987

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Acres	Per Acre --Bushels--		Acres	Per Acre --Bu.--	Acres	Per Acre --Bu.--
Deer Lodge	0	0	0	0	0	0	0	0
Flathead	9,400	9,300	55	509,000	2,100	77	7,200	48
Granite	0	0	0	0	0	0	0	0
Lake	9,200	8,300	58	482,000	4,200	75	4,100	41
Lincoln	0	0	0	0	0	0	0	0
Mineral	100	100	40	4,000	0	0	100	40
Missoula	2,400	2,400	34	82,000	300	47	2,100	32
Powell	1,000	1,000	27	27,000	0	0	1,000	27
Ravalli	1,700	1,700	42	71,000	400	63	1,300	35
Sanders	1,200	1,200	37	44,000	0	0	1,200	37
<b>NORTHWEST</b>	<b>25,000</b>	<b>24,000</b>	<b>51</b>	<b>1,219,000</b>	<b>7,000</b>	<b>73</b>	<b>17,000</b>	<b>41</b>
Blaine	48,000	45,000	35	1,581,000	200	60	44,800	35
Chouteau	341,000	330,000	34	11,258,000	800	48	329,200	34
Glacier	9,300	9,000	33	300,000	0	0	9,000	33
Hill	167,000	160,000	35	5,604,000	0	0	160,000	35
Liberty	99,700	97,000	33	3,244,000	0	0	97,000	33
Phillips	36,000	35,000	32	1,124,000	400	48	34,600	32
Pondera	94,000	92,000	40	3,711,000	1,000	66	91,000	40
Teton	94,000	92,000	42	3,884,000	1,600	47	90,400	42
Toole	65,000	63,000	31	1,948,000	0	0	63,000	31
<b>NORTH CENTRAL</b>	<b>954,000</b>	<b>923,000</b>	<b>35</b>	<b>32,654,000</b>	<b>4,000</b>	<b>53</b>	<b>919,000</b>	<b>35</b>
Daniels	4,300	4,000	32	128,000	0	0	4,000	32
Dawson	67,000	64,000	35	2,252,000	0	0	64,000	35
Garfield	63,000	60,000	33	1,969,000	0	0	60,000	33
McCone	73,000	70,000	36	2,508,000	0	0	70,000	36
Richland	35,000	32,000	34	1,103,000	0	0	32,000	34
Roosevelt	33,700	32,000	32	1,039,000	0	0	32,000	32
Sheridan	12,000	11,000	29	322,000	0	0	11,000	29
Valley	28,000	27,000	32	859,000	100	50	26,900	32
<b>NORTHEAST</b>	<b>316,000</b>	<b>300,000</b>	<b>34</b>	<b>10,180,000</b>	<b>100</b>	<b>50</b>	<b>299,900</b>	<b>34</b>
Broadwater	17,500	17,000	39	671,000	200	55	16,800	39
Cascade	123,000	118,000	35	4,162,000	600	53	117,400	35
Fergus	136,000	130,000	41	5,366,000	500	58	129,500	41
Golden Valley	27,000	26,000	32	832,000	400	50	25,600	32
Judith Basin	58,000	56,000	42	2,365,000	0	0	56,000	42
Lewis & Clark	9,400	9,000	34	310,000	0	0	9,000	34
Meagher	8,600	8,000	36	284,000	0	0	8,000	36
Musselshell	43,000	42,000	25	1,042,000	0	0	42,000	25
Petroleum	14,500	14,000	25	346,000	0	0	14,000	25
Wheatland	26,000	25,000	37	933,000	0	0	25,000	37
<b>CENTRAL</b>	<b>463,000</b>	<b>445,000</b>	<b>37</b>	<b>16,311,000</b>	<b>1,700</b>	<b>54</b>	<b>443,300</b>	<b>37</b>
Beaverhead	5,500	5,000	49	246,000	100	80	4,900	49
Gallatin	38,000	36,000	54	1,937,000	1,900	67	34,100	53
Jefferson	8,300	8,000	49	395,000	0	0	8,000	49
Madison	6,200	6,000	53	317,000	700	90	5,300	48
Silver Bow	0	0	0	0	0	0	0	0
<b>SOUTHWEST</b>	<b>58,000</b>	<b>55,000</b>	<b>53</b>	<b>2,895,000</b>	<b>2,700</b>	<b>74</b>	<b>52,300</b>	<b>52</b>
Big Horn	91,000	88,000	34	3,015,000	300	57	87,700	34
Carbon	17,500	17,000	34	574,000	1,500	45	15,500	33
Park	11,500	10,000	41	413,000	400	40	9,600	41
Stillwater	48,000	39,000	33	1,276,000	0	0	39,000	33
Sweet Grass	5,600	5,500	38	207,000	0	0	5,500	38
Treasure	3,600	3,500	30	106,000	100	70	3,400	29
Yellowstone	81,800	80,000	36	2,910,000	1,600	68	78,400	36
<b>SOUTH CENTRAL</b>	<b>259,000</b>	<b>243,000</b>	<b>35</b>	<b>8,501,000</b>	<b>3,900</b>	<b>55</b>	<b>239,100</b>	<b>35</b>
Carter	41,500	39,000	35	1,374,000	300	43	38,700	35
Custer	40,500	38,000	34	1,302,000	300	40	37,700	34
Fallon	24,000	22,000	35	775,000	0	0	22,000	35
Powder River	31,000	28,000	37	1,031,000	0	0	28,000	37
Prairie	31,000	29,000	36	1,034,000	0	0	29,000	36
Rosebud	48,500	46,000	36	1,651,000	0	0	46,000	36
Wibaux	8,500	8,000	34	273,000	0	0	8,000	34
<b>SOUTHEAST</b>	<b>225,000</b>	<b>210,000</b>	<b>35</b>	<b>7,440,000</b>	<b>600</b>	<b>42</b>	<b>209,400</b>	<b>35</b>
<b>MONTANA</b>	<b>2,300,000</b>	<b>2,200,000</b>	<b>36</b>	<b>79,200,000</b>	<b>20,000</b>	<b>63</b>	<b>2,180,000</b>	<b>36</b>



# WINTER WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1988

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Acres	Per Acre --Bushels--		Acres	Per Acre --Bu.--	Acres	Per Acre --Bu.--
Deerlodge . . . . .	600	500	40	20,000	0	0	500	40
Flathead . . . . .	6,900	6,600	71	467,000	2,200	82	4,400	65
Granite . . . . .	0	0	0	0	0	0	0	0
Lake . . . . .	7,300	6,600	46	301,000	4,200	54	2,400	31
Lincoln . . . . .	0	0	0	0	0	0	0	0
Mineral . . . . .	300	300	37	11,000	0	0	300	37
Missoula . . . . .	1,100	1,000	50	50,000	0	0	1,000	50
Powell . . . . .	1,200	1,100	56	62,000	0	0	1,100	56
Ravalli . . . . .	1,100	800	40	32,000	100	60	700	37
Sanders . . . . .	1,500	1,400	31	44,000	0	0	1,400	31
<b>NORTHWEST . . . . .</b>	<b>20,000</b>	<b>18,300</b>	<b>54</b>	<b>987,000</b>	<b>6,500</b>	<b>63</b>	<b>11,800</b>	<b>49</b>
Blaine . . . . .	84,900	72,900	16	1,135,000	900	28	72,000	15
Chouteau . . . . .	356,000	312,300	17	5,454,000	1,500	25	310,800	17
Glacier . . . . .	16,600	13,800	25	350,000	0	0	13,800	25
Hill . . . . .	229,400	200,500	16	3,131,000	500	22	200,000	16
Liberty . . . . .	131,400	117,500	14	1,631,000	300	37	117,200	14
Phillips . . . . .	44,300	39,400	14	548,000	600	22	38,800	14
Pondera . . . . .	111,200	101,400	26	2,616,000	1,000	60	100,400	25
Teton . . . . .	109,300	99,900	30	2,977,000	2,000	64	97,900	29
Toole . . . . .	83,000	73,300	14	1,015,000	0	0	73,300	14
<b>NORTH CENTRAL . . . . .</b>	<b>1,166,100</b>	<b>1,031,000</b>	<b>18</b>	<b>18,857,000</b>	<b>6,800</b>	<b>42</b>	<b>1,024,200</b>	<b>18</b>
Daniels . . . . .	6,500	4,800	13	60,000	0	0	4,800	13
Dawson . . . . .	65,900	54,000	14	772,000	100	30	53,900	14
Garfield . . . . .	72,000	59,000	9	558,000	0	0	59,000	9
McCone . . . . .	82,400	70,000	13	930,000	0	0	70,000	13
Richland . . . . .	44,500	39,700	9	347,000	100	50	39,600	9
Roosevelt . . . . .	31,500	25,500	10	253,000	0	0	25,500	10
Sheridan . . . . .	4,900	4,000	8	33,000	0	0	4,000	8
Valley . . . . .	37,900	32,000	9	280,000	0	0	32,000	9
<b>NORTHEAST . . . . .</b>	<b>345,600</b>	<b>289,000</b>	<b>11</b>	<b>3,233,000</b>	<b>200</b>	<b>40</b>	<b>288,800</b>	<b>11</b>
Broadwater . . . . .	24,700	21,500	23	490,000	500	60	21,000	22
Cascade . . . . .	113,600	100,300	26	2,616,000	1,200	46	99,100	26
Fergus . . . . .	132,900	115,900	29	3,398,000	200	40	115,700	29
Golden Valley . . . . .	27,000	23,000	18	425,000	1,000	30	22,000	18
Judith Basin . . . . .	59,900	51,900	24	1,270,000	0	0	51,900	24
Lewis & Clark . . . . .	10,600	9,800	31	300,000	0	0	9,800	31
Meagher . . . . .	10,000	9,000	14	128,000	0	0	9,000	14
Musselshell . . . . .	34,500	30,000	18	525,000	0	0	30,000	18
Petroleum . . . . .	10,500	9,500	18	173,000	100	20	9,400	18
Wheatland . . . . .	31,000	26,000	20	515,000	0	0	26,000	20
<b>CENTRAL . . . . .</b>	<b>454,700</b>	<b>396,900</b>	<b>25</b>	<b>9,840,000</b>	<b>3,000</b>	<b>42</b>	<b>393,900</b>	<b>25</b>
Beaverhead . . . . .	3,400	3,100	49	153,000	0	0	3,100	49
Gallatin . . . . .	27,800	25,600	50	1,273,000	3,000	50	22,600	50
Jefferson . . . . .	3,000	2,500	30	74,000	0	0	2,500	30
Madison . . . . .	3,800	3,500	34	118,000	0	0	3,500	34
Silver Bow . . . . .	500	500	24	12,000	0	0	500	24
<b>SOUTHWEST . . . . .</b>	<b>38,500</b>	<b>35,200</b>	<b>46</b>	<b>1,630,000</b>	<b>3,000</b>	<b>50</b>	<b>32,200</b>	<b>46</b>
Big Horn . . . . .	84,500	74,000	22	1,611,000	1,000	50	73,000	21
Carbon . . . . .	11,000	10,500	23	238,000	500	40	10,000	22
Park . . . . .	8,900	8,000	25	200,000	600	53	7,400	23
Stillwater . . . . .	40,000	34,000	21	697,000	0	0	34,000	21
Sweet Grass . . . . .	4,900	4,000	15	60,000	0	0	4,000	15
Treasure . . . . .	4,000	3,000	17	50,000	0	0	3,000	17
Yellowstone . . . . .	72,100	65,000	19	1,203,000	900	56	64,100	18
<b>SOUTH CENTRAL . . . . .</b>	<b>225,400</b>	<b>198,500</b>	<b>20</b>	<b>4,059,000</b>	<b>3,000</b>	<b>51</b>	<b>195,500</b>	<b>20</b>
Carter . . . . .	28,900	16,000	8	121,000	0	0	16,000	8
Custer . . . . .	36,000	26,000	8	211,000	300	33	25,700	8
Fallon . . . . .	20,000	12,000	8	91,000	0	0	12,000	8
Powder River . . . . .	23,000	16,000	11	177,000	0	0	16,000	11
Prairie . . . . .	36,000	17,500	9	163,000	0	0	17,500	9
Rosebud . . . . .	46,000	36,500	13	459,000	200	40	36,300	12
Wibaux . . . . .	9,800	7,100	10	72,000	0	0	7,100	10
<b>SOUTHEAST . . . . .</b>	<b>199,700</b>	<b>131,100</b>	<b>10</b>	<b>1,294,000</b>	<b>500</b>	<b>36</b>	<b>130,600</b>	<b>10</b>
<b>MONTANA . . . . .</b>	<b>2,450,000</b>	<b>2,100,000</b>	<b>19</b>	<b>39,900,000</b>	<b>23,000</b>	<b>50</b>	<b>2,077,000</b>	<b>19</b>

# **SPRING WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1987**

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Acres	Per Acre --Bushels--		Acres	Per Acre --Bu.--	Acres	Per Acre --Bu.--
Deer Lodge	400	300	67	20,000	300	67	0	0
Flathead	2,000	1,900	59	113,000	1,200	72	700	39
Granite	700	700	43	30,000	700	43	0	0
Lake	5,000	4,400	40	178,000	1,900	53	2,500	31
Lincoln	0	0	0	0	0	0	0	0
Mineral	0	0	0	0	0	0	0	0
Missoula	900	900	57	51,000	800	60	100	30
Powell	1,600	1,500	34	51,000	1,000	38	500	26
Ravalli	1,200	1,100	52	57,000	1,100	52	0	0
Sanders	200	200	30	6,000	0	0	200	30
<b>NORTHWEST</b>	<b>12,000</b>	<b>11,000</b>	<b>46</b>	<b>506,000</b>	<b>7,000</b>	<b>54</b>	<b>4,000</b>	<b>32</b>
Blaine	97,000	94,000	30	2,830,000	2,500	46	91,500	30
Chouteau	78,000	75,000	28	2,130,000	3,800	59	71,200	27
Glacier	102,000	98,000	33	3,221,000	2,100	49	95,900	33
Hill	266,000	259,000	30	7,729,000	500	48	258,500	30
Liberty	128,000	125,000	29	3,615,000	900	56	124,100	29
Phillips	104,000	100,000	26	2,645,000	1,500	50	98,500	26
Pondera	64,000	62,000	37	2,288,000	11,000	54	51,000	33
Teton	50,000	48,000	37	1,778,000	5,600	59	42,400	34
Toole	127,000	119,000	27	3,175,000	100	50	118,900	27
<b>NORTH CENTRAL</b>	<b>1,016,000</b>	<b>980,000</b>	<b>30</b>	<b>29,411,000</b>	<b>28,000</b>	<b>54</b>	<b>952,000</b>	<b>29</b>
Daniels	194,000	186,000	23	4,350,000	0	0	186,000	23
Dawson	87,000	83,000	29	2,405,000	500	50	82,500	29
Garfield	31,000	29,000	26	740,000	600	67	28,400	25
McCone	118,000	113,000	29	3,268,000	1,700	52	111,300	29
Richland	109,000	105,000	31	3,255,000	4,800	66	100,200	29
Roosevelt	216,000	207,000	27	5,567,000	1,200	52	205,800	27
Sheridan	82,000	78,000	25	1,975,000	200	50	77,800	25
Valley	246,000	236,000	25	5,895,000	5,000	47	231,000	25
<b>NORTHEAST</b>	<b>1,083,000</b>	<b>1,037,000</b>	<b>26</b>	<b>27,455,000</b>	<b>14,000</b>	<b>55</b>	<b>1,023,000</b>	<b>26</b>
Broadwater	20,500	20,000	47	934,000	9,000	64	11,000	32
Cascade	31,000	30,000	30	900,000	5,000	58	25,000	24
Fergus	10,700	10,000	30	296,000	0	0	10,000	30
Golden Valley	3,000	3,000	25	76,000	100	60	2,900	24
Judith Basin	9,100	9,000	31	279,000	0	0	9,000	31
Lewis & Clark	4,600	4,500	37	166,000	1,300	61	3,200	27
Meagher	1,200	1,200	35	42,000	500	56	700	20
Musselshell	2,000	1,900	22	41,000	100	60	1,800	19
Petroleum	900	900	19	17,000	0	0	900	19
Wheatland	5,000	4,500	31	138,000	0	0	4,500	31
<b>CENTRAL</b>	<b>88,000</b>	<b>85,000</b>	<b>34</b>	<b>2,889,000</b>	<b>16,000</b>	<b>62</b>	<b>69,000</b>	<b>28</b>
Beaverhead	9,000	8,500	62	530,000	6,500	71	2,000	35
Gallatin	15,000	14,000	59	828,000	7,500	77	6,500	38
Jefferson	3,500	3,200	38	123,000	0	0	3,200	38
Madison	5,400	5,200	55	287,000	2,900	73	2,300	32
Silver Bow	100	100	70	7,000	100	70	0	0
<b>SOUTHWEST</b>	<b>33,000</b>	<b>31,000</b>	<b>57</b>	<b>1,775,000</b>	<b>17,000</b>	<b>74</b>	<b>14,000</b>	<b>37</b>
Big Horn	12,900	12,000	43	511,000	3,300	70	8,700	32
Carbon	6,400	6,000	41	246,000	4,000	48	2,000	28
Park	4,400	4,000	34	136,000	500	46	3,500	32
Stillwater	7,100	6,000	27	162,000	200	60	5,800	26
Sweet Grass	1,100	1,000	31	31,000	0	0	1,000	31
Treasure	3,400	3,000	56	167,000	2,000	70	1,000	27
Yellowstone	9,700	9,000	35	316,000	2,000	63	7,000	27
<b>SOUTH CENTRAL</b>	<b>45,000</b>	<b>41,000</b>	<b>38</b>	<b>1,569,000</b>	<b>12,000</b>	<b>60</b>	<b>29,000</b>	<b>29</b>
Carter	15,800	15,000	25	375,000	0	0	15,000	24
Custer	7,700	6,000	26	154,000	600	50	5,400	22
Fallon	39,000	36,000	26	920,000	0	0	36,000	25
Powder River	3,700	3,000	24	71,000	0	0	3,000	23
Prairie	5,900	5,500	26	142,000	400	58	5,100	23
Rosebud	8,800	8,500	38	320,000	3,000	63	5,500	22
Wihaux	42,100	41,000	27	1,113,000	0	0	41,000	26
<b>SOUTHEAST</b>	<b>123,000</b>	<b>115,000</b>	<b>27</b>	<b>3,095,000</b>	<b>4,000</b>	<b>61</b>	<b>111,000</b>	<b>25</b>
<b>MONTANA</b>	<b>2,400,000</b>	<b>2,300,000</b>	<b>29</b>	<b>66,700,000</b>	<b>98,000</b>	<b>60</b>	<b>2,202,000</b>	<b>28</b>

**SPRING WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1988**

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Acres	Per Acre --Bushels--		Acres	Per Acre --Bu.--	Acres	Per Acre --Bu.--
Deerlodge . . . . .	500	500	43	21,500	100	65	400	38
Flathead . . . . .	2,600	2,500	41	102,000	700	69	1,800	30
Granite . . . . .	300	300	48	14,500	100	65	200	40
Lake . . . . .	4,700	4,500	42	190,000	2,500	49	2,000	34
Lincoln . . . . .	0	0	0	0	0	0	0	0
Mineral . . . . .	0	0	0	0	0	0	0	0
Missoula . . . . .	1,000	1,000	63	63,000	800	69	200	40
Powell . . . . .	1,500	1,500	44	66,000	1,000	46	500	40
Ravalli . . . . .	900	900	58	52,000	700	64	200	35
Sanders . . . . .	500	500	42	21,000	100	50	400	40
<b>NORTHWEST . . . . .</b>	<b>12,000</b>	<b>11,700</b>	<b>45</b>	<b>530,000</b>	<b>6,000</b>	<b>56</b>	<b>5,700</b>	<b>34</b>
Blaine . . . . .	85,000	60,000	14	814,000	3,500	41	56,500	12
Chouteau . . . . .	60,000	40,000	16	650,000	5,500	46	34,500	11
Glacier . . . . .	98,000	85,000	20	1,677,000	5,000	35	80,000	19
Hill . . . . .	190,000	158,000	12	1,900,000	500	40	157,500	12
Liberty . . . . .	68,000	56,000	10	563,000	2,500	32	53,500	9
Phillips . . . . .	75,000	60,000	12	700,000	2,500	24	57,500	11
Pondera . . . . .	48,000	41,000	20	810,000	6,500	38	34,500	16
Teton . . . . .	29,000	25,000	23	585,000	6,000	45	19,000	17
Toole . . . . .	115,000	90,000	13	1,139,000	0	0	90,000	13
<b>NORTH CENTRAL . . . . .</b>	<b>768,000</b>	<b>615,000</b>	<b>14</b>	<b>8,838,000</b>	<b>32,000</b>	<b>39</b>	<b>583,000</b>	<b>13</b>
Daniels . . . . .	176,000	127,000	7	942,000	0	0	127,000	7
Dawson . . . . .	74,000	50,000	9	437,000	100	40	49,900	9
Garfield . . . . .	40,000	21,000	4	94,000	100	40	20,900	4
McCone . . . . .	105,000	78,000	8	586,000	800	25	77,200	7
Richland . . . . .	110,000	75,000	10	730,000	4,800	35	70,200	8
Roosevelt . . . . .	201,000	139,000	7	972,000	700	24	138,300	7
Sheridan . . . . .	55,000	44,000	8	353,000	0	0	44,000	8
Valley . . . . .	235,000	184,000	8	1,420,000	3,500	24	180,500	7
<b>NORTHEAST . . . . .</b>	<b>996,000</b>	<b>718,000</b>	<b>8</b>	<b>5,534,000</b>	<b>10,000</b>	<b>30</b>	<b>708,000</b>	<b>7</b>
Broadwater . . . . .	14,800	13,000	39	506,000	7,500	55	5,500	17
Cascade . . . . .	21,000	17,500	23	403,000	4,500	56	13,000	12
Fergus . . . . .	9,000	8,000	14	110,000	0	0	8,000	14
Golden Valley . . . . .	3,000	2,000	11	21,000	0	0	2,000	11
Judith Basin . . . . .	5,000	4,000	19	75,000	0	0	4,000	19
Lewis & Clark . . . . .	3,200	3,000	27	82,000	600	53	2,400	21
Meagher . . . . .	1,500	1,000	23	23,000	400	40	600	12
Musselshell . . . . .	1,500	1,000	12	12,000	0	0	1,000	12
Petroleum . . . . .	1,000	500	14	7,000	0	0	500	14
Wheatland . . . . .	3,000	2,000	9	17,000	0	0	2,000	9
<b>CENTRAL . . . . .</b>	<b>63,000</b>	<b>52,000</b>	<b>24</b>	<b>1,256,000</b>	<b>13,000</b>	<b>55</b>	<b>39,000</b>	<b>14</b>
Beaverhead . . . . .	9,000	7,800	39	308,000	5,500	50	2,300	15
Gallatin . . . . .	12,000	10,700	41	436,000	5,400	51	5,300	30
Jefferson . . . . .	3,000	2,000	20	40,000	100	50	1,900	18
Madison . . . . .	4,000	3,800	32	121,000	3,000	37	800	14
Silver Bow . . . . .	0	0	0	0	0	0	0	0
<b>SOUTHWEST . . . . .</b>	<b>28,000</b>	<b>24,300</b>	<b>37</b>	<b>905,000</b>	<b>14,000</b>	<b>47</b>	<b>10,300</b>	<b>23</b>
Big Horn . . . . .	9,400	6,000	26	156,000	3,200	39	2,800	11
Carbon . . . . .	5,000	4,000	16	62,000	2,000	20	2,000	11
Park . . . . .	3,100	2,000	17	34,000	200	40	1,800	14
Stillwater . . . . .	6,000	4,000	10	41,000	100	40	3,900	9
Sweet Grass . . . . .	1,100	1,000	10	10,000	0	0	1,000	10
Treasure . . . . .	1,500	1,000	55	55,000	1,000	55	0	0
Yellowstone . . . . .	7,900	5,000	20	100,000	1,500	45	3,500	9
<b>SOUTH CENTRAL . . . . .</b>	<b>34,000</b>	<b>23,000</b>	<b>20</b>	<b>458,000</b>	<b>8,000</b>	<b>38</b>	<b>15,000</b>	<b>11</b>
Carter . . . . .	11,000	5,000	10	51,000	0	0	5,000	10
Custer . . . . .	4,000	2,000	17	33,000	400	33	1,600	13
Fallon . . . . .	30,000	14,000	8	105,000	0	0	14,000	8
Powder River . . . . .	2,000	1,000	6	6,000	0	0	1,000	6
Prairie . . . . .	3,000	1,500	9	14,000	100	40	1,400	7
Rosebud . . . . .	10,000	5,500	18	98,000	1,500	49	4,000	6
Wibaux . . . . .	39,000	27,000	6	172,000	0	0	27,000	6
<b>SOUTHEAST . . . . .</b>	<b>99,000</b>	<b>56,000</b>	<b>9</b>	<b>479,000</b>	<b>2,000</b>	<b>46</b>	<b>54,000</b>	<b>7</b>
<b>MONTANA . . . . .</b>	<b>2,000,000</b>	<b>1,500,000</b>	<b>12</b>	<b>18,000,000</b>	<b>85,000</b>	<b>43</b>	<b>1,415,000</b>	<b>10</b>

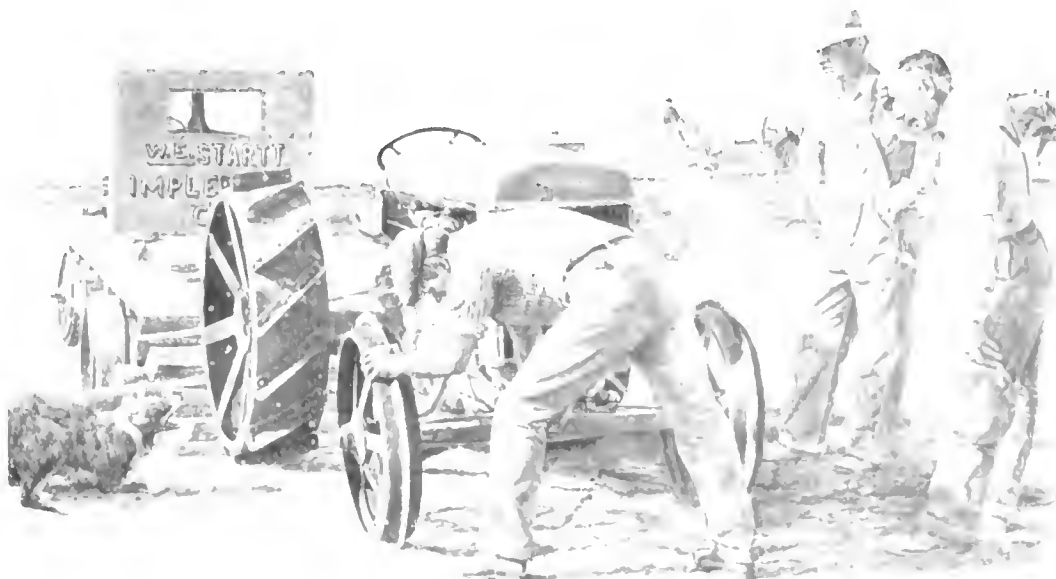
**DURUM WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1987**

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Acres	Per Acre --Bushels--		Acres	Per Acre --Bu.--	Acres	Per Acre --Bu.--
Blaine . . . . .	100	100	30	3,000	0	0	100	30
Chouteau . . . . .	2,300	2,200	27	59,000	0	0	2,200	27
Glacier . . . . .	1,100	1,000	26	26,000	0	0	1,000	26
Hill . . . . .	300	300	27	8,000	0	0	300	27
Liberty . . . . .	100	100	30	3,000	0	0	100	30
Phillips . . . . .	600	600	25	15,000	0	0	600	25
Pondera . . . . .	7,600	7,500	39	294,000	1,200	58	6,300	36
Teton . . . . .	4,800	4,700	40	190,000	100	60	4,600	40
Toole . . . . .	8,600	8,500	28	238,000	0	0	8,500	28
<b>NORTH CENTRAL . . . . .</b>	<b>25,500</b>	<b>25,000</b>	<b>33</b>	<b>836,000</b>	<b>1,300</b>	<b>58</b>	<b>23,700</b>	<b>32</b>
Daniels . . . . .	1,600	1,600	29	46,000	0	0	1,600	29
Dawson . . . . .	900	700	29	20,000	0	0	700	29
McCone . . . . .	800	800	30	24,000	0	0	800	30
Richland . . . . .	800	800	31	25,000	0	0	800	31
Roosevelt . . . . .	27,000	26,500	29	780,000	0	0	26,500	29
Sheridan . . . . .	135,800	132,000	26	3,485,000	800	63	131,200	26
Valley . . . . .	600	600	30	18,000	0	0	600	30
<b>NORTH EAST . . . . .</b>	<b>167,500</b>	<b>163,000</b>	<b>27</b>	<b>4,398,000</b>	<b>800</b>	<b>63</b>	<b>162,200</b>	<b>27</b>
Broadwater . . . . .	600	600	55	33,000	600	55	0	0
Cascade . . . . .	300	300	37	11,000	0	0	300	37
Fergus . . . . .	100	100	30	3,000	0	0	100	30
<b>CENTRAL . . . . .</b>	<b>1,000</b>	<b>1,000</b>	<b>47</b>	<b>47,000</b>	<b>600</b>	<b>55</b>	<b>400</b>	<b>35</b>
Gallatin . . . . .	100	100	60	6,000	100	60	0	0
Madison . . . . .	200	200	65	13,000	200	65	0	0
<b>SOUTHWEST . . . . .</b>	<b>300</b>	<b>300</b>	<b>63</b>	<b>19,000</b>	<b>300</b>	<b>63</b>	<b>0</b>	<b>0</b>
Wibaux . . . . .	700	700	29	20,000	0	0	700	29
<b>SOUTHEAST . . . . .</b>	<b>700</b>	<b>700</b>	<b>29</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>700</b>	<b>29</b>
<b>MONTANA . . . . .</b>	<b>195,000</b>	<b>190,000</b>	<b>28</b>	<b>5,320,000</b>	<b>3,000</b>	<b>59</b>	<b>187,000</b>	<b>28</b>



**DURUM WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1988**

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Acres	Per Acre --Bushels--		Acres	Per Acre --Bu.--	Acres	Per Acre --Bu.--
Blaine . . . . .	100	100	7	700	0	0	100	7
Chouteau . . . . .	4,000	2,700	6	17,000	0	0	2,700	6
Glacier . . . . .	1,400	1,200	13	15,500	0	0	1,200	13
Hill . . . . .	600	500	13	6,500	0	0	500	13
Liberty . . . . .	600	500	6	2,800	0	0	500	6
Phillips . . . . .	700	600	15	9,000	0	0	600	15
Pondera . . . . .	8,800	8,600	15	133,000	1,300	45	7,300	10
Teton . . . . .	5,700	5,100	11	55,000	700	31	4,400	8
Toole . . . . .	7,000	6,700	8	50,500	0	0	6,700	8
<b>NORTH CENTRAL . . . . .</b>	<b>28,900</b>	<b>26,000</b>	<b>11</b>	<b>290,000</b>	<b>2,000</b>	<b>40</b>	<b>24,000</b>	<b>9</b>
Daniels . . . . .	3,500	3,200	10	33,000	0	0	3,200	10
Dawson . . . . .	1,100	1,000	8	8,000	0	0	1,000	8
McCone . . . . .	1,100	1,000	6	6,300	0	0	1,000	6
Richland . . . . .	1,500	1,300	13	17,000	200	35	1,100	9
Roosevelt . . . . .	43,500	32,500	9	301,300	0	0	32,500	9
Sheridan . . . . .	195,600	161,000	8	1,316,400	500	50	160,500	8
Valley . . . . .	1,100	1,000	13	13,000	300	27	700	7
<b>NORTHEAST . . . . .</b>	<b>247,400</b>	<b>201,000</b>	<b>8</b>	<b>1,695,000</b>	<b>1,000</b>	<b>40</b>	<b>200,000</b>	<b>8</b>
Broadwater . . . . .	500	500	52	26,200	400	63	100	12
Cascade . . . . .	400	200	10	1,900	0	0	200	10
Fergus . . . . .	100	100	7	700	0	0	100	7
Judith Basin . . . . .	100	100	14	1,400	0	0	100	14
Lewis & Clark . . . . .	200	200	9	1,800	0	0	200	9
<b>CENTRAL . . . . .</b>	<b>1,300</b>	<b>1,100</b>	<b>29</b>	<b>32,000</b>	<b>400</b>	<b>63</b>	<b>700</b>	<b>10</b>
Beaverhead . . . . .	100	100	60	6,000	100	60	0	0
Gallatin . . . . .	200	200	60	12,000	200	60	0	0
Madison . . . . .	200	200	55	11,000	200	55	0	0
<b>SOUTHWEST . . . . .</b>	<b>500</b>	<b>500</b>	<b>58</b>	<b>29,000</b>	<b>500</b>	<b>58</b>	<b>0</b>	<b>0</b>
Carbon . . . . .	600	500	22	11,000	100	50	400	15
<b>SOUTH CENTRAL . . . . .</b>	<b>600</b>	<b>500</b>	<b>22</b>	<b>11,000</b>	<b>100</b>	<b>50</b>	<b>400</b>	<b>15</b>
Carter . . . . .	100	0	0	0	0	0	0	0
Wibaux . . . . .	1,200	900	14	13,000	0	0	900	14
<b>SOUTHEAST . . . . .</b>	<b>1,300</b>	<b>900</b>	<b>14</b>	<b>13,000</b>	<b>0</b>	<b>0</b>	<b>900</b>	<b>14</b>
<b>MONTANA . . . . .</b>	<b>280,000</b>	<b>230,000</b>	<b>9</b>	<b>2,070,000</b>	<b>4,000</b>	<b>45</b>	<b>226,000</b>	<b>8</b>



# BARLEY: Acreage, Yield, and Production, by Counties and Districts, 1987

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre ----Bushels----	Production	Harvested Acres	Yield Per Acre --Bu.--	Harvested Acres	Yield Per Acre --Bu.--
Deer Lodge . . . . .	1,400	1,000	78	77,800	800	85	200	49
Flathead . . . . .	38,000	37,000	73	2,689,000	10,100	90	26,900	66
Granite . . . . .	500	500	46	23,000	400	50	100	30
Lake . . . . .	12,000	10,500	65	686,000	6,000	76	4,500	51
Lincoln . . . . .	0	0	0	0	0	0	0	0
Mineral . . . . .	0	0	0	0	0	0	0	0
Missoula . . . . .	4,000	3,500	47	164,000	1,500	63	2,000	35
Powell . . . . .	8,100	6,000	49	296,000	4,400	54	1,600	36
Ravalli . . . . .	9,600	8,500	50	429,200	4,500	66	4,000	33
Sanders . . . . .	1,400	1,000	35	35,000	300	50	700	29
<b>NORTHWEST . . . . .</b>	<b>75,000</b>	<b>68,000</b>	<b>65</b>	<b>4,400,000</b>	<b>28,000</b>	<b>75</b>	<b>40,000</b>	<b>58</b>
Blaine . . . . .	59,000	55,000	42	2,333,000	3,000	56	52,000	42
Chouteau . . . . .	259,000	240,000	34	8,142,000	1,000	83	239,000	34
Glacier . . . . .	112,000	104,000	48	4,989,000	9,000	60	95,000	47
Hill . . . . .	132,000	124,000	44	5,512,000	1,500	75	122,500	44
Liberty . . . . .	97,000	89,000	38	3,352,000	1,000	72	88,000	37
Phillips . . . . .	58,000	53,000	41	2,199,000	1,500	59	51,500	41
Pondera . . . . .	158,000	150,000	57	8,540,000	37,000	73	113,000	52
Teton . . . . .	143,000	135,000	57	7,715,000	29,000	83	106,000	50
Toole . . . . .	110,000	100,000	45	4,501,000	2,000	56	98,000	45
<b>NORTH CENTRAL . . . . .</b>	<b>1,128,000</b>	<b>1,050,000</b>	<b>45</b>	<b>47,283,000</b>	<b>85,000</b>	<b>74</b>	<b>965,000</b>	<b>42</b>
Daniels . . . . .	42,000	39,000	32	1,251,000	200	55	38,800	32
Dawson . . . . .	43,000	39,000	41	1,599,000	600	57	38,400	41
Garfield . . . . .	25,000	21,000	38	800,000	500	50	20,500	38
McCone . . . . .	43,000	38,000	40	1,530,000	100	60	37,900	40
Richland . . . . .	42,000	38,000	43	1,651,000	2,400	79	35,600	41
Roosevelt . . . . .	47,000	44,000	36	1,588,000	200	50	43,800	36
Sheridan . . . . .	56,000	53,000	34	1,806,000	100	60	52,900	34
Valley . . . . .	62,000	58,000	34	1,963,000	900	40	57,100	34
<b>NORTHEAST . . . . .</b>	<b>360,000</b>	<b>330,000</b>	<b>37</b>	<b>12,188,000</b>	<b>5,000</b>	<b>64</b>	<b>325,000</b>	<b>37</b>
Broadwater . . . . .	24,000	23,000	55	1,270,000	6,300	76	16,700	47
Cascade . . . . .	92,000	87,000	34	2,996,000	5,900	75	81,100	31
Fergus . . . . .	139,000	125,000	48	5,954,000	900	60	124,100	48
Golden Valley . . . . .	12,700	10,000	30	300,000	800	51	9,200	28
Judith Basin . . . . .	76,000	74,000	47	3,495,000	2,000	48	72,000	47
Lewis & Clark . . . . .	11,000	10,000	51	505,000	3,200	72	6,800	40
Meagher . . . . .	27,300	25,000	40	989,000	1,500	76	23,500	37
Musselshell . . . . .	9,000	8,000	33	264,000	100	80	7,900	32
Petroleum . . . . .	8,000	6,000	32	191,000	500	54	5,500	30
Wheatland . . . . .	16,000	15,000	34	506,000	800	58	14,200	32
<b>CENTRAL . . . . .</b>	<b>415,000</b>	<b>383,000</b>	<b>43</b>	<b>16,470,000</b>	<b>22,000</b>	<b>70</b>	<b>361,000</b>	<b>41</b>
Beaverhead . . . . .	12,000	10,000	75	748,000	8,000	79	2,000	58
Gallatin . . . . .	61,000	58,500	66	3,878,000	16,500	88	42,000	58
Jefferson . . . . .	5,600	5,000	58	290,000	2,500	72	2,500	44
Madison . . . . .	10,500	9,700	74	720,000	6,200	84	3,500	57
Silver Bow . . . . .	900	800	80	64,000	800	80	0	0
<b>SOUTHWEST . . . . .</b>	<b>90,000</b>	<b>84,000</b>	<b>68</b>	<b>5,700,000</b>	<b>34,000</b>	<b>84</b>	<b>50,000</b>	<b>57</b>
Big Horn . . . . .	37,000	33,000	47	1,559,000	10,000	70	23,000	37
Carbon . . . . .	18,000	16,000	63	1,004,000	11,000	72	5,000	42
Park . . . . .	11,000	9,500	55	523,000	3,500	68	6,000	48
Stillwater . . . . .	30,000	21,000	28	581,000	500	74	20,500	27
Sweet Grass . . . . .	7,200	6,500	46	298,000	1,300	62	5,200	42
Treasure . . . . .	3,300	3,000	80	241,000	2,200	95	800	40
Yellowstone . . . . .	45,500	31,000	52	1,599,000	11,500	78	19,500	36
<b>SOUTH CENTRAL . . . . .</b>	<b>152,000</b>	<b>120,000</b>	<b>48</b>	<b>5,805,000</b>	<b>40,000</b>	<b>74</b>	<b>80,000</b>	<b>36</b>
Carter . . . . .	9,000	6,500	34	221,000	0	0	6,500	34
Custer . . . . .	9,500	8,000	42	337,000	1,500	61	6,500	38
Fallon . . . . .	13,500	11,000	41	455,000	0	0	11,000	41
Powder River . . . . .	6,500	5,500	37	203,000	100	70	5,400	36
Prairie . . . . .	12,000	10,000	42	416,000	500	72	9,500	40
Rosebud . . . . .	19,500	16,000	43	682,000	2,900	79	13,100	35
Wibaux . . . . .	10,000	8,000	43	340,000	0	0	8,000	43
<b>SOUTHEAST . . . . .</b>	<b>80,000</b>	<b>65,000</b>	<b>41</b>	<b>2,654,000</b>	<b>5,000</b>	<b>73</b>	<b>60,000</b>	<b>38</b>
<b>MONTANA . . . . .</b>	<b>2,300,000</b>	<b>2,100,000</b>	<b>45</b>	<b>94,500,000</b>	<b>219,000</b>	<b>75</b>	<b>1,881,000</b>	<b>42</b>

**BARLEY: Acreage, Yield, and Production, by Counties and Districts, 1988**

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Acres	Per Acre -----Bushels-----		Acres	Per Acre --Bu.--	Acres	Per Acre --Bu.--
Deerlodge . . . . .	700	500	42	21,000	500	42	0	0
Flathead . . . . .	22,500	20,000	58	1,166,000	11,500	74	8,500	37
Granite . . . . .	400	300	43	13,000	200	45	100	40
Lake . . . . .	13,000	12,000	48	575,000	6,900	57	5,100	35
Lincoln . . . . .	0	0	0	0	0	0	0	0
Mineral . . . . .	0	0	0	0	0	0	0	0
Missoula . . . . .	2,200	2,000	39	78,000	1,700	40	300	33
Powell . . . . .	4,500	3,000	51	152,000	2,000	65	1,000	22
Ravalli . . . . .	5,900	5,500	60	329,000	5,000	63	500	24
Sanders . . . . .	800	700	30	21,000	200	50	500	22
<b>NORTHWEST . . . . .</b>	<b>50,000</b>	<b>44,000</b>	<b>54</b>	<b>2,355,000</b>	<b>28,000</b>	<b>64</b>	<b>16,000</b>	<b>34</b>
Blaine . . . . .	48,000	28,000	20	565,000	3,500	43	24,500	17
Chouteau . . . . .	229,000	123,000	14	1,720,000	1,500	67	121,500	13
Glacier . . . . .	75,000	63,000	24	1,540,000	7,300	74	55,700	18
Hill . . . . .	98,000	73,000	20	1,457,000	1,700	44	71,300	19
Liberty . . . . .	55,000	42,000	14	597,000	1,500	47	40,500	13
Phillips . . . . .	41,000	34,000	21	712,000	1,400	50	32,600	20
Pondera . . . . .	120,000	104,000	26	2,710,000	31,000	40	73,000	20
Teton . . . . .	99,000	86,000	46	3,980,000	40,900	73	45,100	22
Toole . . . . .	75,000	62,000	22	1,365,000	1,200	63	60,800	21
<b>NORTH CENTRAL . . . . .</b>	<b>840,000</b>	<b>615,000</b>	<b>24</b>	<b>14,646,000</b>	<b>90,000</b>	<b>59</b>	<b>525,000</b>	<b>18</b>
Daniels . . . . .	32,000	20,000	10	195,000	0	0	20,000	10
Dawson . . . . .	38,000	24,000	9	219,000	400	35	23,600	9
Garfield . . . . .	27,000	16,000	8	123,000	0	0	16,000	8
McCone . . . . .	35,000	22,000	7	148,000	0	0	22,000	7
Richland . . . . .	38,000	20,000	14	278,000	2,000	43	18,000	11
Roosevelt . . . . .	40,000	21,000	8	173,000	200	55	20,800	8
Sheridan . . . . .	55,000	37,000	10	384,000	100	50	36,900	10
Valley . . . . .	56,000	35,000	12	410,000	1,300	38	33,700	11
<b>NORTHEAST . . . . .</b>	<b>321,000</b>	<b>195,000</b>	<b>10</b>	<b>1,930,000</b>	<b>4,000</b>	<b>41</b>	<b>191,000</b>	<b>9</b>
Broadwater . . . . .	16,000	14,500	32	466,000	5,300	53	9,200	20
Cascade . . . . .	67,000	47,000	22	1,024,000	8,000	49	39,000	16
Fergus . . . . .	99,500	85,000	20	1,700,000	800	38	84,200	20
Golden Valley . . . . .	5,000	2,500	22	54,000	600	50	1,900	13
Judith Basin . . . . .	60,000	50,000	19	940,000	1,300	38	48,700	18
Lewis & Clark . . . . .	10,500	8,500	39	334,000	4,500	53	4,000	24
Meagher . . . . .	22,000	13,000	17	220,000	1,500	47	11,500	13
Musselshell . . . . .	8,000	7,000	11	78,000	0	0	7,000	11
Petroleum . . . . .	3,000	2,000	18	36,000	0	0	2,000	18
Wheatland . . . . .	8,000	5,500	19	104,000	1,000	40	4,500	14
<b>CENTRAL . . . . .</b>	<b>299,000</b>	<b>235,000</b>	<b>21</b>	<b>4,956,000</b>	<b>23,000</b>	<b>49</b>	<b>212,000</b>	<b>18</b>
Beaverhead . . . . .	12,000	8,000	62	495,000	6,700	69	1,300	27
Gallatin . . . . .	50,000	44,000	43	1,880,000	15,000	59	29,000	34
Jefferson . . . . .	4,000	2,000	50	99,000	1,800	53	200	20
Madison . . . . .	8,500	6,500	55	357,000	6,000	58	500	24
Silver Bow . . . . .	500	500	60	30,000	500	60	0	0
<b>SOUTHWEST . . . . .</b>	<b>75,000</b>	<b>61,000</b>	<b>47</b>	<b>2,861,000</b>	<b>30,000</b>	<b>60</b>	<b>31,000</b>	<b>34</b>
Big Horn . . . . .	26,000	19,000	36	676,000	8,000	63	11,000	16
Carbon . . . . .	11,500	9,000	65	582,000	8,500	67	500	24
Park . . . . .	10,000	7,000	34	241,000	3,400	50	3,600	20
Stillwater . . . . .	20,000	11,500	15	178,000	600	67	10,900	13
Sweet Grass . . . . .	5,000	2,500	34	85,000	1,000	60	1,500	17
Treasure . . . . .	2,500	2,000	65	130,000	2,000	65	0	0
Yellowstone . . . . .	30,000	24,000	42	1,002,000	12,500	66	11,500	15
<b>SOUTH CENTRAL . . . . .</b>	<b>105,000</b>	<b>75,000</b>	<b>39</b>	<b>2,894,000</b>	<b>36,000</b>	<b>64</b>	<b>39,000</b>	<b>15</b>
Carter . . . . .	13,000	2,000	10	20,000	0	0	2,000	10
Custer . . . . .	17,000	2,500	33	82,000	1,800	41	700	11
Fallon . . . . .	20,000	5,500	8	43,000	0	0	5,500	8
Powder River . . . . .	8,000	2,000	8	15,000	0	0	2,000	8
Prairie . . . . .	16,000	3,000	12	35,000	200	50	2,800	9
Rosebud . . . . .	25,000	8,000	18	146,500	2,000	48	6,000	8
8Wibaux . . . . .	11,000	2,000	8	16,500	0	0	2,000	8
<b>SOUTHEAST . . . . .</b>	<b>110,000</b>	<b>25,000</b>	<b>14</b>	<b>358,000</b>	<b>4,000</b>	<b>45</b>	<b>21,000</b>	<b>8</b>
<b>MONTANA . . . . .</b>	<b>1,800,000</b>	<b>1,250,000</b>	<b>24</b>	<b>30,000,000</b>	<b>215,000</b>	<b>59</b>	<b>1,035,000</b>	<b>17</b>

# OATS: Acreage, Yield, and Production, by Counties and Districts, 1987

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre -----Bushels-----	Production	Harvested Acres	Yield Per Acre --Bu.--	Harvested Acres	Yield Per Acre --Bu.--
Deer Lodge . . . . .	0	0	0	0	0	0	0	0
Flathead . . . . .	1,400	800	69	55,000	300	83	500	60
Granite . . . . .	200	100	90	9,000	100	90	0	0
Lake . . . . .	4,000	2,100	69	145,000	1,400	75	700	57
Lincoln . . . . .	1,000	100	60	6,000	100	60	0	0
Mineral . . . . .	0	0	0	0	0	0	0	0
Missoula . . . . .	1,100	300	70	21,000	300	70	0	0
Powell . . . . .	1,500	900	66	59,000	200	70	700	64
Ravalli . . . . .	3,000	800	69	55,000	700	71	100	50
Sanders . . . . .	800	400	75	30,000	400	75	0	0
<b>NORTHWEST . . . . .</b>	<b>13,000</b>	<b>5,500</b>	<b>69</b>	<b>380,000</b>	<b>3,500</b>	<b>74</b>	<b>2,000</b>	<b>60</b>
Blaine . . . . .	11,000	3,600	61	219,000	1,100	81	2,500	52
Chouteau . . . . .	5,500	2,700	55	149,000	200	95	2,500	52
Glacier . . . . .	4,000	2,200	61	135,000	0	0	2,200	61
Hill . . . . .	7,400	3,500	47	163,000	100	80	3,400	46
Liberty . . . . .	2,000	700	50	35,000	0	0	700	50
Phillips . . . . .	11,000	2,800	63	175,000	800	94	2,000	50
Pondera . . . . .	1,600	900	67	60,000	0	0	900	67
Teton . . . . .	2,500	1,300	76	99,000	300	97	1,000	70
Toole . . . . .	3,000	1,800	72	130,000	0	0	1,800	72
<b>NORTH CENTRAL . . . . .</b>	<b>48,000</b>	<b>19,500</b>	<b>60</b>	<b>1,165,000</b>	<b>2,500</b>	<b>88</b>	<b>17,000</b>	<b>56</b>
Daniels . . . . .	8,000	2,200	34	75,000	0	0	2,200	34
Dawson . . . . .	7,900	4,000	50	199,000	200	95	3,800	47
Garfield . . . . .	8,500	7,000	49	340,000	0	0	7,000	49
McCone . . . . .	14,000	6,700	41	278,000	300	77	6,400	40
Richland . . . . .	13,500	6,500	57	368,000	1,200	94	5,300	48
Roosevelt . . . . .	11,500	4,700	47	222,000	200	85	4,500	46
Sheridan . . . . .	12,600	6,600	38	253,000	100	80	6,500	38
Valley . . . . .	13,000	4,800	41	195,000	0	0	4,800	41
<b>NORTHEAST . . . . .</b>	<b>89,000</b>	<b>42,500</b>	<b>45</b>	<b>1,930,000</b>	<b>2,000</b>	<b>90</b>	<b>40,500</b>	<b>43</b>
Broadwater . . . . .	1,300	800	88	70,000	400	100	400	75
Cascade . . . . .	3,000	1,200	49	59,000	300	63	900	44
Fergus . . . . .	4,600	2,600	63	164,000	200	70	2,400	63
Golden Valley . . . . .	2,800	800	51	41,000	100	60	700	50
Judith Basin . . . . .	5,200	2,900	54	157,000	100	70	2,800	54
Lewis & Clark . . . . .	2,000	1,000	65	65,000	800	69	200	50
Meagher . . . . .	2,200	1,600	69	111,000	600	68	1,000	70
Musselshell . . . . .	3,200	1,600	63	101,000	900	73	700	50
Petroleum . . . . .	1,200	600	68	41,000	100	60	500	70
Wheatland . . . . .	2,500	1,400	72	101,000	800	70	600	75
<b>CENTRAL . . . . .</b>	<b>28,000</b>	<b>14,500</b>	<b>63</b>	<b>910,000</b>	<b>4,300</b>	<b>72</b>	<b>10,200</b>	<b>59</b>
Beaverhead . . . . .	600	300	93	28,000	300	93	0	0
Gallatin . . . . .	3,700	1,900	88	167,000	1,200	98	700	71
Jefferson . . . . .	1,800	1,100	77	85,000	900	79	200	70
Madison . . . . .	1,700	600	85	51,000	500	90	100	60
Silver Bow . . . . .	200	100	90	9,000	100	90	0	0
<b>SOUTHWEST . . . . .</b>	<b>8,000</b>	<b>4,000</b>	<b>85</b>	<b>340,000</b>	<b>3,000</b>	<b>90</b>	<b>1,000</b>	<b>70</b>
Big Horn . . . . .	2,400	1,200	57	68,000	200	90	1,000	50
Carbon . . . . .	2,000	1,000	77	77,000	700	89	300	50
Park . . . . .	2,200	1,100	64	70,000	1,000	65	100	50
Stillwater . . . . .	1,800	800	44	35,000	200	75	600	33
Sweet Grass . . . . .	3,000	1,600	69	110,000	1,200	75	400	50
Treasure . . . . .	1,000	500	84	42,000	500	84	0	0
Yellowstone . . . . .	3,600	1,800	61	110,000	700	79	1,100	50
<b>SOUTH CENTRAL . . . . .</b>	<b>16,000</b>	<b>8,000</b>	<b>64</b>	<b>512,000</b>	<b>4,500</b>	<b>77</b>	<b>3,500</b>	<b>47</b>
Carter . . . . .	6,000	2,000	43	85,000	0	0	2,000	43
Custer . . . . .	3,000	1,000	62	62,000	400	93	600	42
Fallon . . . . .	6,000	4,000	43	170,000	0	0	4,000	43
Powder River . . . . .	4,600	2,300	43	100,000	0	0	2,300	43
Prairie . . . . .	3,000	1,500	73	109,000	400	98	1,100	64
Rosebud . . . . .	5,200	2,500	57	142,000	400	93	2,100	50
Wibaux . . . . .	5,200	2,700	54	145,000	0	0	2,700	54
<b>SOUTHEAST . . . . .</b>	<b>33,000</b>	<b>16,000</b>	<b>51</b>	<b>813,000</b>	<b>1,200</b>	<b>94</b>	<b>14,800</b>	<b>47</b>
<b>MONTANA . . . . .</b>	<b>235,000</b>	<b>110,000</b>	<b>55</b>	<b>6,050,000</b>	<b>21,000</b>	<b>81</b>	<b>89,000</b>	<b>49</b>



**OATS: Acreage, Yield, and Production, by Counties and Districts, 1988**

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Acres	Per Acre		Acres	Per Acre	Acres	Per Acre
				---Bushels---		--Bu--		--Bu--
Deerlodge . . . . .	0	0	0	0	0	0	0	0
Flathead . . . . .	1,300	1,000	57	57,000	500	84	500	30
Granite . . . . .	100	100	80	8,000	100	80	0	0
Lake . . . . .	2,900	2,100	64	134,500	1,600	76	500	25
Lincoln . . . . .	100	100	35	3,500	0	0	100	35
Mineral . . . . .	0	0	0	0	0	0	0	0
Missoula . . . . .	600	300	42	12,500	100	60	200	33
Powell . . . . .	1,000	700	55	38,500	400	75	300	28
Ravalli . . . . .	1,200	800	85	68,000	700	93	100	30
Sanders . . . . .	1,100	400	58	23,000	200	85	200	30
<b>NORTHWEST . . . . .</b>	<b>8,300</b>	<b>5,500</b>	<b>63</b>	<b>345,000</b>	<b>3,600</b>	<b>81</b>	<b>1,900</b>	<b>29</b>
Blaine . . . . .	5,300	2,100	55	115,000	1,100	68	1,000	40
Chouteau . . . . .	7,300	3,000	26	77,000	200	60	2,800	23
Glacier . . . . .	3,000	1,400	24	33,000	0	0	1,400	24
Hill . . . . .	7,200	2,900	26	74,000	100	70	2,800	24
Liberty . . . . .	2,000	500	30	15,000	0	0	500	30
Phillips . . . . .	4,800	1,900	36	68,000	800	45	1,100	29
Pondera . . . . .	2,000	1,000	23	23,000	0	0	1,000	23
Teton . . . . .	1,400	800	33	26,000	300	50	500	22
Toole . . . . .	4,000	2,100	30	64,000	0	0	2,100	30
<b>NORTH CENTRAL . . . . .</b>	<b>37,000</b>	<b>15,700</b>	<b>32</b>	<b>495,000</b>	<b>2,500</b>	<b>58</b>	<b>13,200</b>	<b>27</b>
Daniels . . . . .	6,000	2,000	15	30,000	0	0	2,000	15
Dawson . . . . .	10,600	3,500	17	59,000	200	45	3,300	15
Garfield . . . . .	16,000	7,500	11	82,000	0	0	7,500	11
McCone . . . . .	15,600	6,000	12	74,000	300	47	5,700	11
Richland . . . . .	14,400	5,400	26	140,000	1,200	64	4,200	15
Roosevelt . . . . .	13,300	5,000	12	61,000	200	45	4,800	11
Sheridan . . . . .	12,300	4,500	16	70,500	100	60	4,400	15
Valley . . . . .	11,000	3,500	16	55,000	0	0	3,500	16
<b>NORTHEAST . . . . .</b>	<b>99,200</b>	<b>37,400</b>	<b>15</b>	<b>571,500</b>	<b>2,000</b>	<b>58</b>	<b>35,400</b>	<b>13</b>
Broadwater . . . . .	1,800	1,100	49	53,500	800	59	300	22
Cascade . . . . .	2,400	1,200	52	62,000	700	71	500	24
Fergus . . . . .	6,300	3,000	30	91,000	200	65	2,800	28
Golden Valley . . . . .	1,500	900	32	28,500	300	60	600	18
Judith Basin . . . . .	3,500	2,000	30	60,000	0	0	2,000	31
Lewis & Clark . . . . .	1,600	1,100	53	58,000	900	60	200	20
Meagher . . . . .	4,400	2,000	33	66,000	400	65	1,600	25
Musselshell . . . . .	2,100	1,000	58	58,000	800	69	200	15
Petroleum . . . . .	1,000	600	48	29,000	400	65	200	15
Wheatland . . . . .	1,800	1,100	58	64,000	1,000	61	100	30
<b>CENTRAL . . . . .</b>	<b>26,400</b>	<b>14,000</b>	<b>41</b>	<b>570,000</b>	<b>5,500</b>	<b>64</b>	<b>8,500</b>	<b>26</b>
Beaverhead . . . . .	400	300	73	22,000	300	73	0	0
Gallatin . . . . .	2,200	1,500	65	97,500	1,400	67	100	35
Jefferson . . . . .	1,700	1,200	72	86,000	1,200	72	0	0
Madison . . . . .	2,000	900	51	46,000	900	51	0	0
Silver Bow . . . . .	200	100	70	7,000	100	70	0	0
<b>SOUTHWEST . . . . .</b>	<b>6,500</b>	<b>4,000</b>	<b>65</b>	<b>258,500</b>	<b>3,900</b>	<b>65</b>	<b>100</b>	<b>35</b>
Big Horn . . . . .	2,200	900	26	23,000	100	80	800	19
Carbon . . . . .	4,400	1,900	55	105,000	1,500	67	400	13
Park . . . . .	2,000	1,100	58	64,000	900	67	200	20
Stillwater . . . . .	2,000	1,100	28	31,000	300	77	800	10
Sweet Grass . . . . .	2,300	1,100	55	61,000	1,100	55	0	0
Treasure . . . . .	1,500	900	60	54,000	600	83	300	13
Yellowstone . . . . .	2,600	1,400	62	87,000	1,000	78	400	23
<b>SOUTH CENTRAL . . . . .</b>	<b>17,000</b>	<b>8,400</b>	<b>51</b>	<b>425,000</b>	<b>5,500</b>	<b>69</b>	<b>2,900</b>	<b>16</b>
Carter . . . . .	2,000	500	13	6,500	0	0	500	13
Custer . . . . .	1,700	700	78	54,500	600	88	100	15
Fallon . . . . .	2,800	900	9	8,000	0	0	900	9
Powder River . . . . .	4,400	1,300	9	12,000	0	0	1,300	9
Prairie . . . . .	1,200	400	28	11,000	100	70	300	13
Rosebud . . . . .	1,300	500	54	27,000	300	83	200	10
Wibaux . . . . .	2,200	700	9	6,000	0	0	700	9
<b>SOUTHEAST . . . . .</b>	<b>15,600</b>	<b>5,000</b>	<b>25</b>	<b>125,000</b>	<b>1,000</b>	<b>85</b>	<b>4,000</b>	<b>10</b>
<b>MONTANA . . . . .</b>	<b>210,000</b>	<b>90,000</b>	<b>31</b>	<b>2,790,000</b>	<b>24,000</b>	<b>68</b>	<b>66,000</b>	<b>18</b>

# CORN: Acreage, Utilization, and Yield By Counties, Irrigated and Non-Irrigated, 1987

COUNTY & DISTRICT	ACRES			HARVESTED FOR SILAGE			
	Total Planted	Harvested For Grain	Harvested For Silage	Irrigated		Non-Irrigated	
				Harvested Acres	Yield Per Acre -Ton-	Harvested Acres	Yield Per Acre -Ton-
Flathead . . . . .	100	0	100	100	15	0	0
Lake . . . . .	600	0	600	600	19	0	0
Missoula . . . . .	100	0	100	100	15	0	0
Ravalli . . . . .	300	0	300	300	19	0	0
Sanders . . . . .	100	0	100	100	15	0	0
<b>NORTHWEST . . .</b>	<b>1,200</b>	<b>0</b>	<b>1,200</b>	<b>1,200</b>	<b>18</b>	<b>0</b>	<b>0</b>
Blaine . . . . .	1,100	300	800	800	16	0	0
Chouteau . . . . .	100	0	100	100	16	0	0
Hill . . . . .	200	0	200	200	14	0	0
Liberty . . . . .	100	0	100	100	14	0	0
Phillips . . . . .	600	0	600	600	17	0	0
Pondera . . . . .	100	0	100	100	16	0	0
<b>NORTH CENTRAL</b>	<b>2,200</b>	<b>300</b>	<b>1,900</b>	<b>1,900</b>	<b>16</b>	<b>0</b>	<b>0</b>
Dawson . . . . .	3,600	800	2,700	2,100	20	600	8
Garfield . . . . .	1,000	0	1,000	1,000	20	0	0
McCone . . . . .	500	0	500	200	17	300	8
Richland . . . . .	8,300	1,000	7,000	6,300	19	700	8
Roosevelt . . . . .	2,500	100	2,300	1,500	18	800	9
Sheridan . . . . .	100	0	100	100	18	0	0
Valley . . . . .	1,600	100	1,500	1,100	18	400	6
<b>NORTHEAST . . .</b>	<b>17,600</b>	<b>2,000</b>	<b>15,100</b>	<b>12,300</b>	<b>19</b>	<b>2,800</b>	<b>8</b>
Broadwater . . . . .	100	0	100	100	18	0	0
Cascade . . . . .	200	0	200	200	16	0	0
Fergus . . . . .	100	0	100	0	0	100	8
Golden Valley . . .	200	0	200	200	17	0	0
Judith Basin . . .	100	0	100	100	17	0	0
Musselshell . . . .	700	0	700	700	19	0	0
<b>CENTRAL . . . . .</b>	<b>1,400</b>	<b>0</b>	<b>1,400</b>	<b>1,300</b>	<b>18</b>	<b>100</b>	<b>8</b>
Gallatin . . . . .	100	0	100	100	14	0	0
<b>SOUTHWEST . . .</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>100</b>	<b>14</b>	<b>0</b>	<b>0</b>
Big Horn . . . . .	4,500	1,200	3,300	3,100	20	200	8
Carbon . . . . .	8,300	1,000	7,300	7,300	19	0	0
Stillwater . . . . .	2,400	100	2,200	2,200	18	0	0
Treasure . . . . .	5,800	2,300	3,500	3,500	19	0	0
Yellowstone . . . .	18,000	1,900	16,000	15,800	19	200	8
<b>SOUTH CENTRAL</b>	<b>39,000</b>	<b>6,500</b>	<b>32,300</b>	<b>31,900</b>	<b>19</b>	<b>400</b>	<b>8</b>
Carter . . . . .	200	0	200	200	18	0	0
Custer . . . . .	6,600	2,700	3,800	3,800	18	0	0
Fallon . . . . .	1,000	0	900	600	15	300	8
Powder River . . .	100	0	100	100	17	0	0
Prairie . . . . .	3,900	900	2,900	2,900	18	0	0
Rosebud . . . . .	5,700	2,600	3,100	3,100	19	0	0
Wibaux . . . . .	1,000	0	1,000	600	16	400	8
<b>SOUTHEAST . . .</b>	<b>18,500</b>	<b>6,200</b>	<b>12,000</b>	<b>11,300</b>	<b>18</b>	<b>700</b>	<b>8</b>
<b>MONTANA . . . .</b>	<b>80,000</b>	<b>15,000</b>	<b>64,000</b>	<b>60,000</b>	<b>19</b>	<b>4,000</b>	<b>8</b>

**CORN: Acreage, Utilization, and Yield By Counties, Irrigated and Non-Irrigated, 1988**

COUNTY & DISTRICT	ACRES			HARVESTED FOR SILAGE			
	Total Planted	Harvested For Grain	Harvested For Silage	Irrigated		Non-Irrigated	
				Harvested Acres	Yield Per Acre -Ton-	Harvested Acres	Yield Per Acre -Ton-
Flathead . . . . .	100	0	100	100	23	0	0
Lake . . . . .	400	0	400	400	21	0	0
Missoula . . . . .	100	0	100	100	22	0	0
Ravalli . . . . .	300	0	300	300	23	0	0
Sanders . . . . .	0	0	0	0	0	0	0
<b>NORTHWEST . . .</b>	<b>900</b>	<b>0</b>	<b>900</b>	<b>900</b>	<b>22</b>	<b>0</b>	<b>0</b>
Blaine . . . . .	1,100	300	600	400	17	200	5
Chouteau . . . . .	100	0	100	100	17	0	0
Hill . . . . .	200	0	200	200	17	0	0
Liberty . . . . .	0	0	0	0	0	0	0
Phillips . . . . .	300	0	300	300	17	0	0
Pondera . . . . .	0	0	0	0	0	0	0
<b>NORTH CENTRAL</b>	<b>1,700</b>	<b>300</b>	<b>1,200</b>	<b>1,000</b>	<b>17</b>	<b>200</b>	<b>5</b>
Dawson . . . . .	4,000	400	3,400	3,100	18	300	5
Garfield . . . . .	800	0	800	800	20	0	0
McCone . . . . .	400	0	300	300	20	0	0
Richland . . . . .	10,700	1,000	9,300	9,300	21	0	0
Roosevelt . . . . .	2,500	0	2,300	2,300	21	0	0
Sheridan . . . . .	100	0	100	100	20	0	0
Valley . . . . .	1,500	0	1,400	1,400	16	0	0
<b>NORTHEAST . . .</b>	<b>20,000</b>	<b>1,400</b>	<b>17,600</b>	<b>17,300</b>	<b>20</b>	<b>300</b>	<b>5</b>
Broadwater . . . . .	0	0	0	0	0	0	0
Cascade . . . . .	200	0	200	200	16	0	0
Fergus . . . . .	100	0	100	100	20	0	0
Golden Valley . . .	100	0	100	100	20	0	0
Judith Basin . . . .	0	0	0	0	0	0	0
Musselshell . . . . .	800	0	800	800	18	0	0
<b>CENTRAL . . . . .</b>	<b>1,200</b>	<b>0</b>	<b>1,200</b>	<b>1,200</b>	<b>18</b>	<b>0</b>	<b>0</b>
Gallatin . . . . .	100	0	100	100	16	0	0
<b>SOUTHWEST . . .</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>100</b>	<b>16</b>	<b>0</b>	<b>0</b>
Big Horn . . . . .	4,700	3,000	1,500	1,500	22	0	0
Carbon . . . . .	10,800	3,000	7,500	7,500	19	0	0
Stillwater . . . . .	3,200	200	2,900	2,900	21	0	0
Treasure . . . . .	5,600	2,000	3,500	3,500	20	0	0
Yellowstone . . . .	19,700	2,700	16,700	16,700	20	0	0
<b>SOUTH CENTRAL</b>	<b>44,000</b>	<b>10,900</b>	<b>32,100</b>	<b>32,100</b>	<b>20</b>	<b>0</b>	<b>0</b>
Carter . . . . .	200	0	200	200	17	0	0
Custer . . . . .	7,100	2,300	4,700	4,700	16	0	0
Fallon . . . . .	600	0	400	400	18	0	0
Powder River . . . .	100	0	100	100	18	0	0
Prairie . . . . .	6,500	900	5,400	5,400	15	0	0
Rosebud . . . . .	6,100	4,200	1,700	1,700	18	0	0
Wibaux . . . . .	1,500	0	1,400	1,400	17	0	0
<b>SOUTHEAST . . .</b>	<b>22,100</b>	<b>7,400</b>	<b>13,900</b>	<b>13,900</b>	<b>16</b>	<b>0</b>	<b>0</b>
<b>MONTANA . . . .</b>	<b>90,000</b>	<b>20,000</b>	<b>67,000</b>	<b>66,500</b>	<b>19</b>	<b>500</b>	<b>5</b>

### CORN FOR GRAIN: Acreage, Yield, and Production, By Counties, Principally Irrigated, 1987-1988

COUNTY & DISTRICT	1987			1988		
	Harvested Acres	Yield Per Acre --Bushels--	Production	Harvested Acres	Yield Per Acre --Bushels--	Production
Blaine . . . . .	300	101	30,300	300	71	21,300
<b>NORTH CENTRAL</b>	<b>300</b>	<b>101</b>	<b>30,300</b>	<b>300</b>	<b>71</b>	<b>21,300</b>
Dawson . . . . .	800	111	88,800	400	115	46,000
Richland . . . . .	1,000	109	109,000	1,000	108	108,000
Roosevelt . . . . .	100	101	10,100	0	0	0
Valley . . . . .	100	101	10,100	0	0	0
<b>NORTHEAST</b> . . .	<b>2,000</b>	<b>109</b>	<b>218,000</b>	<b>1,400</b>	<b>110</b>	<b>154,000</b>
Big Horn . . . . .	1,200	102	122,400	3,000	103	309,000
Carbon . . . . .	1,000	104	104,000	3,000	106	318,100
Stillwater . . . . .	100	101	10,100	200	100	20,000
Treasure . . . . .	2,300	104	239,200	2,000	118	236,000
Yellowstone . . . .	1,900	102	193,800	2,700	105	283,500
<b>SOUTH CENTRAL</b>	<b>6,500</b>	<b>103</b>	<b>669,500</b>	<b>10,900</b>	<b>107</b>	<b>1,166,600</b>
Custer . . . . .	2,700	108	291,600	2,300	116	266,700
Prairie . . . . .	900	100	90,000	900	102	91,800
Rosebud . . . . .	2,600	106	275,600	4,200	119	499,600
<b>SOUTHEAST</b> . . .	<b>6,200</b>	<b>106</b>	<b>657,200</b>	<b>7,400</b>	<b>116</b>	<b>858,100</b>
<b>MONTANA</b> . . . .	<b>15,000</b>	<b>105</b>	<b>1,575,000</b>	<b>20,000</b>	<b>110</b>	<b>2,200,000</b>

### POTATOES: Acreage, Yield, and Production, By Counties, Principally Irrigated, 1987-1988

COUNTY & DISTRICT	1987				1988			
	Planted Acres	Harvested Acres	Yield Per Acre --Cwt.--	Production	Planted Acres	Harvested Acres	Yield Per Acre --Cwt.--	Production
Deer Lodge & Powell . . . . .	1,040	1,020	275	280,400	710	700	265	185,500
Flathead . . . . .	1,040	1,030	320	329,600	1,000	990	260	257,400
Lake . . . . .	1,950	1,930	307	592,800	1,970	1,960	280	548,800
Missoula . . . . .	30	30	240	7,200	150	150	300	45,000
Ravalli . . . . .	60	60	250	15,000	50	50	220	11,000
<b>NORTHWEST</b> . . . .	<b>4,120</b>	<b>4,070</b>	<b>301</b>	<b>1,225,000</b>	<b>3,880</b>	<b>3,850</b>	<b>272</b>	<b>1,047,700</b>
<b>NORTH CENTRAL</b>	<b>150</b>	<b>150</b>	<b>220</b>	<b>33,000</b>	<b>70</b>	<b>70</b>	<b>220</b>	<b>15,400</b>
<b>NORTHEAST</b> . . . .	<b>150</b>	<b>150</b>	<b>230</b>	<b>34,500</b>	<b>60</b>	<b>60</b>	<b>230</b>	<b>13,800</b>
Broadwater . . . . .	200	200	315	63,000	240	230	305	70,150
Other Counties . . .	150	150	200	30,000	50	50	160	8,000
<b>CENTRAL</b> . . . . .	<b>350</b>	<b>350</b>	<b>266</b>	<b>93,000</b>	<b>290</b>	<b>280</b>	<b>279</b>	<b>78,150</b>
Beaverhead . . . . .	320	310	270	83,700	300	290	270	78,300
Gallatin . . . . .	2,580	2,560	320	819,400	2,900	2,850	300	855,000
Madison . . . . .	210	200	280	56,000	210	210	250	52,500
<b>SOUTHWEST</b> . . . .	<b>3,110</b>	<b>3,070</b>	<b>312</b>	<b>959,100</b>	<b>3,410</b>	<b>3,350</b>	<b>294</b>	<b>985,800</b>
<b>SOUTH CENTRAL</b> .	<b>60</b>	<b>60</b>	<b>240</b>	<b>14,400</b>	<b>50</b>	<b>50</b>	<b>175</b>	<b>8,750</b>
<b>SOUTHEAST</b> . . . .	<b>60</b>	<b>50</b>	<b>220</b>	<b>11,000</b>	<b>40</b>	<b>40</b>	<b>160</b>	<b>6,400</b>
<b>MONTANA</b> . . . . .	<b>8,000</b>	<b>7,900</b>	<b>300</b>	<b>2,370,000</b>	<b>7,800</b>	<b>7,700</b>	<b>280</b>	<b>2,156,000</b>

**SUGAR BEETS: Acreage, Yield, and Production, By Counties. All Irrigated, 1987-1988**

COUNTY & DISTRICT	1987				1988			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<u>Acres</u>	<u>Acres</u>	<u>Per Acre</u>		<u>Acres</u>	<u>Acres</u>	<u>Per Acre</u>	
				--Tons--				--Tons--
Dawson . . . . .	3,450	3,440	23.7	81,400	3,260	3,200	19.0	60,700
Richland . . . . .	14,970	14,900	25.7	382,300	14,730	14,560	21.6	315,000
Roosevelt . . . . .	630	620	15.8	9,800	630	420	17.4	7,300
Sheridan . . . . .	130	130	16.2	2,100	130	80	15.0	1,200
<b>NORTHEAST . . .</b>	<b>19,180</b>	<b>19,090</b>	<b>24.9</b>	<b>475,600</b>	<b>18,750</b>	<b>18,260</b>	<b>21.0</b>	<b>384,200</b>
Big Horn . . . . .	6,330	6,300	21.8	137,100	6,460	6,450	22.9	148,000
Carbon . . . . .	7,200	7,170	18.7	134,200	7,260	7,190	17.9	128,600
Stillwater . . . . .	850	850	18.1	15,400	680	680	18.1	12,300
Treasure . . . . .	2,970	2,940	23.6	69,400	3,790	3,790	24.4	92,400
Yellowstone . . . .	8,540	8,430	19.0	160,500	8,680	8,630	21.2	182,600
<b>SOUTH CENTRAL</b>	<b>25,890</b>	<b>25,690</b>	<b>20.1</b>	<b>516,600</b>	<b>26,870</b>	<b>26,740</b>	<b>21.1</b>	<b>563,900</b>
Custer . . . . .	90	90	25.6	2,300	120	120	22.5	2,700
Prairie . . . . .	2,160	2,150	22.5	48,300	2,320	2,240	19.1	42,700
Rosebud . . . . .	1,880	1,880	23.0	43,200	1,540	1,540	25.0	38,500
<b>SOUTHEAST . . .</b>	<b>4,130</b>	<b>4,120</b>	<b>22.8</b>	<b>93,800</b>	<b>3,980</b>	<b>3,900</b>	<b>21.5</b>	<b>83,900</b>
<b>MONTANA . . . .</b>	<b>49,200</b>	<b>48,900</b>	<b>22.2</b>	<b>1,086,000</b>	<b>49,600</b>	<b>48,900</b>	<b>21.1</b>	<b>1,032,000</b>

**DRY BEANS: Acreage, Yield, and Production By Counties, All Irrigated, 1987-1988**

COUNTY & DISTRICT	1987				1988			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<u>Acres</u>	<u>Acres</u>	<u>Per Acre</u>		<u>Acres</u>	<u>Acres</u>	<u>Per Acre</u>	
				--Lbs.--				--Cwt.--
Dawson . . . . .	1,100	1,000	2,200	22,000	1,200	1,100	1,800	20,000
Richland . . . . .	2,500	2,400	2,300	55,000	1,200	1,000	1,900	19,000
<b>NORTHEAST . . .</b>	<b>3,500</b>	<b>3,400</b>	<b>2,300</b>	<b>77,000</b>	<b>2,400</b>	<b>2,100</b>	<b>1,900</b>	<b>39,000</b>
Carbon . . . . .	1,200	1,200	2,000	24,000	1,100	1,000	2,000	20,000
Stillwater . . . . .	100	100	2,000	2,000	100	100	1,800	1,800
Treasure . . . . .	100	100	2,200	2,200	100	100	1,900	1,900
Yellowstone . . . .	400	400	2,300	9,000	200	200	1,900	3,800
<b>SOUTH CENTRAL</b>	<b>1,800</b>	<b>1,800</b>	<b>2,100</b>	<b>37,200</b>	<b>1,500</b>	<b>1,400</b>	<b>2,000</b>	<b>27,500</b>
Custer . . . . .	300	300	2,200	6,500	300	300	2,000	5,900
Prairie . . . . .	100	100	2,100	2,100	100	100	1,800	1,800
Rosebud . . . . .	100	100	2,200	2,200	100	100	1,800	1,800
<b>SOUTHEAST . . .</b>	<b>500</b>	<b>500</b>	<b>2,200</b>	<b>10,800</b>	<b>500</b>	<b>500</b>	<b>1,900</b>	<b>9,500</b>
<b>MONTANA . . . .</b>	<b>5,800</b>	<b>5,700</b>	<b>2,190</b>	<b>125,000</b>	<b>4,400</b>	<b>4,000</b>	<b>1,900</b>	<b>76,000</b>

# ALL HAY: Acreage, Yield, and Production by Counties and Districts, 1987

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested Acres	Yield Per Acre -----Tons-----	Production	Harvested Acres	Yield Per Acre -Tons-	Harvested Acres	Yield Per Acre -Tons-
Deer Lodge	10,500	2.5	26,000	10,000	2.5	500	2.0
Flathead	32,000	2.5	80,000	17,000	3.0	15,000	2.0
Granite	25,500	2.2	56,500	24,000	2.3	1,500	1.5
Lake	56,000	2.1	120,000	39,000	2.5	17,000	1.3
Lincoln	11,000	2.2	24,000	7,000	2.6	4,000	1.5
Mineral	4,000	2.4	9,500	2,500	2.8	1,500	1.6
Missoula	26,000	2.6	66,500	21,000	2.7	5,000	1.9
Powell	49,000	2.2	109,000	46,000	2.3	3,000	1.3
Ravalli	33,000	2.8	92,000	32,000	2.8	1,000	2.0
Sanders	28,000	1.8	51,500	15,500	2.5	12,500	1.0
<b>NORTHWEST</b>	<b>275,000</b>	<b>2.3</b>	<b>635,000</b>	<b>214,000</b>	<b>2.5</b>	<b>61,000</b>	<b>1.5</b>
Blaine	41,000	2.1	85,000	24,500	2.7	16,500	1.1
Chouteau	33,000	1.8	59,000	15,500	2.5	17,500	1.1
Glacier	22,000	2.0	43,000	10,000	2.7	12,000	1.3
Hill	23,000	1.8	41,000	6,000	2.9	17,000	1.4
Liberty	9,000	1.4	12,500	1,800	2.8	7,200	1.0
Phillips	74,000	1.6	120,000	45,500	1.8	28,500	1.4
Pondera	25,000	2.3	57,000	12,000	3.3	13,000	1.3
Teton	48,000	2.7	128,500	32,200	3.4	15,800	1.1
Toole	15,000	1.3	19,000	2,500	2.8	12,500	1.0
<b>NORTH CENTRAL</b>	<b>290,000</b>	<b>1.9</b>	<b>565,000</b>	<b>150,000</b>	<b>2.6</b>	<b>140,000</b>	<b>1.2</b>
Daniels	25,000	1.1	28,500	1,000	4.0	24,000	1.0
Dawson	42,500	1.4	61,000	8,500	2.8	34,000	1.1
Garfield	29,500	1.6	46,500	6,000	2.8	23,500	1.3
McCone	64,500	1.4	93,500	7,000	2.4	57,500	1.3
Richland	50,500	1.6	81,500	11,500	3.5	39,000	1.1
Roosevelt	39,000	1.5	58,500	8,500	2.8	30,500	1.1
Sheridan	33,000	1.2	41,000	3,000	2.7	30,000	1.1
Valley	59,000	1.9	109,500	24,500	2.8	34,500	1.2
<b>NORTHEAST</b>	<b>343,000</b>	<b>1.5</b>	<b>520,000</b>	<b>70,000</b>	<b>2.9</b>	<b>273,000</b>	<b>1.2</b>
Broadwater	24,000	3.2	76,000	21,000	3.4	3,000	1.3
Cascade	61,000	1.4	86,000	18,000	2.3	43,000	1.0
Fergus	100,000	1.5	145,000	21,000	2.0	79,000	1.3
Golden Valley	13,000	1.5	20,000	7,000	2.0	6,000	1.0
Judith Basin	49,000	1.5	73,000	11,500	2.3	37,500	1.3
Lewis & Clark	39,000	2.3	91,000	26,000	2.8	13,000	1.4
Meagher	33,000	1.9	61,500	25,000	2.1	8,000	1.2
Musselshell	23,000	1.7	39,000	9,000	2.8	14,000	1.0
Petroleum	16,000	2.1	33,500	10,700	2.6	5,300	1.1
Wheatland	17,000	2.0	34,000	15,800	2.1	1,200	1.1
<b>CENTRAL</b>	<b>375,000</b>	<b>1.8</b>	<b>659,000</b>	<b>165,000</b>	<b>2.5</b>	<b>210,000</b>	<b>1.2</b>
Beaverhead	123,000	2.2	271,000	119,700	2.2	3,300	1.3
Gallatin	62,500	2.5	157,500	42,500	3.0	20,000	1.5
Jefferson	23,000	2.6	60,500	20,700	2.8	2,300	1.3
Madison	91,500	2.9	261,000	80,700	3.1	10,800	1.3
Silver Bow	7,000	2.6	18,000	6,400	2.7	600	1.0
<b>SOUTHWEST</b>	<b>307,000</b>	<b>2.5</b>	<b>768,000</b>	<b>270,000</b>	<b>2.7</b>	<b>37,000</b>	<b>1.4</b>
Big Horn	65,000	1.8	118,000	21,000	3.5	44,000	1.0
Carbon	51,000	2.3	115,500	32,000	3.0	19,000	1.0
Park	55,000	2.4	132,500	48,000	2.6	7,000	1.2
Stillwater	57,000	1.4	77,500	18,000	2.7	39,000	0.8
Sweet Grass	45,000	2.1	93,500	27,000	2.8	18,000	1.0
Treasure	12,000	2.5	29,500	8,000	3.3	4,000	0.9
Yellowstone	45,000	2.2	98,500	21,000	3.4	24,000	1.1
<b>SOUTH CENTRAL</b>	<b>330,000</b>	<b>2.0</b>	<b>665,000</b>	<b>175,000</b>	<b>2.9</b>	<b>155,000</b>	<b>1.0</b>
Carter	53,000	1.2	62,000	8,000	2.3	45,000	1.0
Custer	38,000	1.8	69,500	18,000	2.7	20,000	1.0
Fallon	53,000	1.1	56,000	4,500	2.2	48,500	0.9
Powder River	53,000	1.2	65,500	12,000	2.1	41,000	1.0
Prairie	22,000	1.5	32,500	5,000	2.8	17,000	1.1
Rosebud	42,000	2.1	88,500	27,000	2.7	15,000	1.0
Wibaux	19,000	1.3	24,000	1,500	2.7	17,500	1.1
<b>SOUTHEAST</b>	<b>280,000</b>	<b>1.4</b>	<b>398,000</b>	<b>76,000</b>	<b>2.6</b>	<b>204,000</b>	<b>1.0</b>
<b>MONTANA</b>	<b>2,200,000</b>	<b>1.9</b>	<b>4,210,000</b>	<b>1,120,000</b>	<b>2.7</b>	<b>1,080,000</b>	<b>1.1</b>

# ALL HAY: Acreage, Yield, and Production by Counties and Districts, 1988

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Per Acre	-----Tons-----	Acres	Per Acre	Acres	Per Acre
					-Tons-		-Tons-
Deerlodge . . . . .	9,000	1.9	17,000	9,000	1.9	0	0.0
Flathead . . . . .	31,000	2.1	64,500	18,000	2.6	13,000	1.3
Granite . . . . .	30,000	1.6	48,500	29,000	1.6	1,000	1.0
Lake . . . . .	61,000	2.3	140,200	50,000	2.5	11,000	1.5
Lincoln . . . . .	12,000	1.8	22,000	8,500	2.2	3,500	0.9
Mineral . . . . .	3,500	1.2	4,300	1,500	1.9	2,000	0.8
Missoula . . . . .	21,500	2.2	47,500	20,000	2.3	1,500	1.0
Powell . . . . .	48,000	1.5	74,000	44,000	1.6	4,000	0.6
Ravalli . . . . .	42,000	2.4	101,500	40,000	2.5	2,000	1.3
Sanders . . . . .	32,000	1.5	48,000	20,000	2.1	12,000	0.6
<b>NORTHWEST . . . . .</b>	<b>290,000</b>	<b>2.0</b>	<b>567,500</b>	<b>240,000</b>	<b>2.1</b>	<b>50,000</b>	<b>1.1</b>
Blaine . . . . .	24,000	1.3	31,000	16,000	1.8	8,000	0.4
Chouteau . . . . .	19,500	1.0	19,500	10,500	1.6	9,000	0.3
Glacier . . . . .	19,000	1.1	20,500	10,000	1.6	9,000	0.5
Hill . . . . .	12,000	1.0	11,500	5,500	1.7	6,500	0.3
Liberty . . . . .	3,500	1.1	3,700	1,300	1.8	2,200	0.6
Phillips . . . . .	48,000	1.2	57,500	29,000	1.8	19,000	0.3
Pondera . . . . .	18,000	1.9	33,600	13,000	2.4	5,000	0.6
Teton . . . . .	34,000	1.8	61,900	27,500	2.2	6,500	0.3
Toole . . . . .	7,000	0.8	5,800	2,200	2.0	4,800	0.3
<b>NORTH CENTRAL . . . . .</b>	<b>185,000</b>	<b>1.3</b>	<b>245,000</b>	<b>115,000</b>	<b>1.9</b>	<b>70,000</b>	<b>0.4</b>
Daniels . . . . .	16,000	0.5	8,000	1,500	2.0	14,500	0.3
Dawson . . . . .	25,000	0.9	22,500	7,500	2.0	17,500	0.4
Garfield . . . . .	16,500	0.8	13,000	6,000	1.6	10,500	0.3
McCone . . . . .	26,500	0.7	19,000	6,000	1.7	20,500	0.4
Richland . . . . .	28,000	1.1	31,000	11,500	2.2	16,500	0.4
Roosevelt . . . . .	33,000	0.8	25,000	8,500	1.9	24,500	0.4
Sheridan . . . . .	27,000	0.7	19,000	4,000	2.1	23,000	0.5
Valley . . . . .	53,000	1.3	71,500	35,000	1.8	18,000	0.5
<b>NORTHEAST . . . . .</b>	<b>225,000</b>	<b>0.9</b>	<b>209,000</b>	<b>80,000</b>	<b>1.9</b>	<b>145,000</b>	<b>0.4</b>
Broadwater . . . . .	22,000	2.3	51,600	20,900	2.4	1,100	1.0
Cascade . . . . .	42,000	0.9	39,500	11,000	2.2	31,000	0.5
Fergus . . . . .	91,000	0.9	81,000	17,500	1.9	73,500	0.6
Golden Valley . . . . .	10,000	1.5	14,800	6,000	2.0	4,000	0.7
Judith Basin . . . . .	42,000	0.8	34,000	6,000	1.8	36,000	0.6
Lewis & Clark . . . . .	33,000	1.7	56,000	23,000	2.1	10,000	0.8
Meagher . . . . .	35,000	1.4	48,500	28,000	1.6	7,000	0.6
Musselshell . . . . .	16,000	1.3	21,000	8,000	2.0	8,000	0.6
Petroleum . . . . .	11,000	1.6	17,500	6,700	2.2	4,300	0.6
Wheatland . . . . .	13,000	2.0	26,100	11,900	2.1	1,100	1.0
<b>CENTRAL . . . . .</b>	<b>315,000</b>	<b>1.2</b>	<b>390,000</b>	<b>139,000</b>	<b>2.0</b>	<b>176,000</b>	<b>0.6</b>
Beaverhead . . . . .	145,000	2.0	287,000	142,000	2.0	3,000	0.7
Gallatin . . . . .	72,000	2.4	173,500	58,000	2.8	14,000	1.0
Jefferson . . . . .	27,000	2.1	58,000	26,000	2.2	1,000	1.0
Madison . . . . .	99,000	2.2	221,000	96,000	2.3	3,000	0.7
Silver Bow . . . . .	7,000	2.0	14,000	7,000	2.0	0	0.0
<b>SOUTHWEST . . . . .</b>	<b>350,000</b>	<b>2.2</b>	<b>753,500</b>	<b>329,000</b>	<b>2.2</b>	<b>21,000</b>	<b>0.9</b>
Big Horn . . . . .	56,000	1.4	77,300	18,500	2.6	37,500	0.8
Carbon . . . . .	50,000	1.8	89,100	35,600	2.3	14,400	0.6
Park . . . . .	57,000	1.7	99,200	51,000	1.9	6,000	0.5
Stillwater . . . . .	49,000	1.1	55,000	20,000	2.1	29,000	0.5
Sweet Grass . . . . .	44,000	1.6	70,500	35,000	1.9	9,000	0.5
Treasure . . . . .	11,000	2.0	22,100	7,900	2.5	3,100	0.7
Yellowstone . . . . .	43,000	1.7	73,800	23,000	2.7	20,000	0.6
<b>SOUTH CENTRAL . . . . .</b>	<b>310,000</b>	<b>1.6</b>	<b>487,000</b>	<b>191,000</b>	<b>2.2</b>	<b>119,000</b>	<b>0.6</b>
Carter . . . . .	19,000	0.6	11,900	4,500	1.6	14,500	0.3
Custer . . . . .	19,000	1.6	31,000	12,000	2.4	7,000	0.3
Fallon . . . . .	16,000	0.7	10,900	3,500	2.1	12,500	0.3
Powder River . . . . .	17,000	1.0	17,000	7,500	1.9	9,500	0.3
Prairie . . . . .	13,000	1.2	15,600	6,000	2.3	7,000	0.2
Rosebud . . . . .	33,000	1.4	47,600	21,000	1.9	12,000	0.6
Wibaux . . . . .	8,000	0.5	4,000	1,500	1.8	6,500	0.2
<b>SOUTHEAST . . . . .</b>	<b>125,000</b>	<b>1.1</b>	<b>138,000</b>	<b>56,000</b>	<b>2.1</b>	<b>69,000</b>	<b>0.3</b>
<b>MONTANA . . . . .</b>	<b>1,800,000</b>	<b>1.6</b>	<b>2,790,000</b>	<b>1,150,000</b>	<b>2.1</b>	<b>650,000</b>	<b>0.6</b>

# ALFALFA HAY: Acreage, Yield, and Production by Counties and Districts, 1987

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested Acres	Yield Per Acre -----Tons-----	Production	Harvested Acres	Yield Per Acre -Tons-	Harvested Acres	Yield Per Acre -Tons-
Deer Lodge . . . . .	6,000	3.0	18,000	5,500	3.1	500	2.0
Flathead . . . . .	23,000	2.8	65,000	13,000	3.5	10,000	2.0
Granite . . . . .	9,500	2.8	27,000	9,000	2.9	500	2.0
Lake . . . . .	44,000	2.3	100,000	30,000	2.8	14,000	1.2
Lincoln . . . . .	7,000	2.4	17,000	5,000	2.8	2,000	1.5
Mineral . . . . .	2,500	2.8	7,000	2,000	3.0	500	2.0
Missoula . . . . .	17,000	2.9	49,000	13,000	3.2	4,000	2.0
Powell . . . . .	22,000	2.6	57,000	20,000	2.8	2,000	1.0
Ravalli . . . . .	21,000	3.2	67,000	20,000	3.3	1,000	2.0
Sanders . . . . .	23,000	1.9	43,000	12,500	2.6	10,500	1.0
<b>NORTHWEST . . . . .</b>	<b>175,000</b>	<b>2.6</b>	<b>450,000</b>	<b>130,000</b>	<b>3.0</b>	<b>45,000</b>	<b>1.4</b>
Blaine . . . . .	26,000	2.4	63,000	17,000	3.2	9,000	1.0
Chouteau . . . . .	19,000	2.1	40,000	10,000	3.0	9,000	1.1
Glacier . . . . .	12,000	2.3	28,000	5,000	3.6	7,000	1.4
Hill . . . . .	7,000	2.4	17,000	3,500	3.7	3,500	1.1
Liberty . . . . .	3,000	1.7	5,000	1,000	3.0	2,000	1.0
Phillips . . . . .	30,000	2.1	63,000	19,500	2.5	10,500	1.4
Pondera . . . . .	20,000	2.5	50,000	11,000	3.5	9,000	1.3
Teton . . . . .	36,000	3.0	108,000	26,000	3.7	10,000	1.3
Toole . . . . .	7,000	1.6	11,000	2,000	3.0	5,000	1.0
<b>NORTH CENTRAL . . . . .</b>	<b>160,000</b>	<b>2.4</b>	<b>385,000</b>	<b>95,000</b>	<b>3.2</b>	<b>65,000</b>	<b>1.2</b>
Daniels . . . . .	5,000	1.6	8,000	1,000	4.0	4,000	1.0
Dawson . . . . .	11,500	2.0	23,000	4,000	3.5	7,500	1.2
Garfield . . . . .	8,500	1.9	16,000	3,000	3.0	5,500	1.3
McCone . . . . .	5,500	2.2	12,000	3,000	3.0	2,500	1.2
Richland . . . . .	22,500	2.2	49,000	8,500	3.9	14,000	1.1
Roosevelt . . . . .	11,000	2.2	24,000	4,000	3.8	7,000	1.3
Sheridan . . . . .	9,000	1.6	14,000	2,000	3.0	7,000	1.1
Valley . . . . .	25,000	2.6	64,000	14,500	3.4	10,500	1.3
<b>NORTHEAST . . . . .</b>	<b>98,000</b>	<b>2.1</b>	<b>210,000</b>	<b>40,000</b>	<b>3.5</b>	<b>58,000</b>	<b>1.2</b>
Broadwater . . . . .	20,000	3.4	68,000	17,000	3.8	3,000	1.3
Cascade . . . . .	50,000	1.3	66,000	13,000	2.2	37,000	1.0
Fergus . . . . .	84,000	1.4	120,000	14,000	2.2	70,000	1.3
Golden Valley . . . . .	7,000	1.7	12,000	4,000	2.3	3,000	1.0
Judith Basin . . . . .	39,000	1.5	59,000	9,000	2.4	30,000	1.2
Lewis & Clark . . . . .	29,000	2.4	71,000	20,000	3.0	9,000	1.2
Meagher . . . . .	14,000	2.3	32,000	10,000	2.8	4,000	1.0
Musselshell . . . . .	10,000	2.5	25,000	7,000	3.1	3,000	1.0
Petroleum . . . . .	10,000	2.6	26,000	10,000	2.6	0	0.0
Wheatland . . . . .	12,000	2.1	25,000	11,000	2.2	1,000	1.0
<b>CENTRAL . . . . .</b>	<b>275,000</b>	<b>1.8</b>	<b>504,000</b>	<b>115,000</b>	<b>2.7</b>	<b>160,000</b>	<b>1.2</b>
Beaverhead . . . . .	47,000	3.3	157,000	44,000	3.5	3,000	1.3
Gallatin . . . . .	45,000	2.7	123,000	29,000	3.4	16,000	1.5
Jefferson . . . . .	14,000	3.0	42,500	12,000	3.3	2,000	1.3
Madison . . . . .	66,500	3.1	209,000	56,000	3.5	10,500	1.3
Silver Bow . . . . .	4,500	3.0	13,500	4,000	3.3	500	1.0
<b>SOUTHWEST . . . . .</b>	<b>177,000</b>	<b>3.1</b>	<b>545,000</b>	<b>145,000</b>	<b>3.4</b>	<b>32,000</b>	<b>1.4</b>
Big Horn . . . . .	54,000	1.9	102,000	18,000	3.8	36,000	0.9
Carbon . . . . .	39,000	2.3	89,000	21,000	3.4	18,000	0.9
Park . . . . .	38,000	2.6	99,500	33,000	2.8	5,000	1.1
Stillwater . . . . .	40,000	1.4	54,000	11,000	3.2	29,000	0.7
Sweet Grass . . . . .	29,000	2.4	70,000	21,000	3.0	8,000	0.9
Treasure . . . . .	10,000	2.6	25,500	6,000	3.7	4,000	0.9
Yellowstone . . . . .	25,000	2.6	65,000	15,000	3.7	10,000	0.9
<b>SOUTH CENTRAL . . . . .</b>	<b>235,000</b>	<b>2.1</b>	<b>505,000</b>	<b>125,000</b>	<b>3.3</b>	<b>110,000</b>	<b>0.9</b>
Carter . . . . .	33,000	1.1	35,000	3,000	3.0	30,000	0.9
Custer . . . . .	22,000	2.1	46,000	12,000	3.1	10,000	0.9
Fallon . . . . .	36,000	0.9	34,000	3,000	2.3	33,000	0.8
Powder River . . . . .	43,000	1.2	51,000	9,000	2.1	34,000	0.9
Prairie . . . . .	8,000	1.8	14,500	3,000	3.3	5,000	0.9
Rosebud . . . . .	30,000	2.3	69,500	19,000	3.2	11,000	0.9
Wibaux . . . . .	8,000	1.4	11,000	1,000	3.0	7,000	1.1
<b>SOUTHEAST . . . . .</b>	<b>180,000</b>	<b>1.5</b>	<b>261,000</b>	<b>50,000</b>	<b>2.9</b>	<b>130,000</b>	<b>0.9</b>
<b>MONTANA . . . . .</b>	<b>1,300,000</b>	<b>2.2</b>	<b>2,860,000</b>	<b>700,000</b>	<b>3.1</b>	<b>600,000</b>	<b>1.1</b>



# ALFALFA HAY: Acreage, Yield, and Production by Counties and Districts, 1988

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	<u>Acres</u>	<u>Per Acre</u>		<u>Acres</u>	<u>Per Acre</u>	<u>Acres</u>	<u>Per Acre</u>
			-----Tons-----		-----Tons-----		-----Tons-----
Deerlodge	5,000	2.4	12,000	5,000	2.4	0	0.0
Flathead	23,000	2.3	53,000	14,000	2.9	9,000	1.4
Granite	12,000	2.1	25,000	12,000	2.1	0	0.0
Lake	48,000	2.5	121,000	40,000	2.7	8,000	1.8
Lincoln	8,000	2.1	17,000	6,500	2.3	1,500	1.3
Mineral	2,500	1.2	3,000	1,000	2.0	1,500	0.7
Missoula	15,500	2.4	37,000	14,500	2.5	1,000	1.0
Powell	22,000	1.9	41,000	19,000	2.1	3,000	0.7
Ravalli	28,000	2.7	76,500	27,000	2.8	1,000	1.5
Sanders	26,000	1.5	39,500	16,000	2.1	10,000	0.6
<b>NORTHWEST</b>	<b>190,000</b>	<b>2.2</b>	<b>425,000</b>	<b>155,000</b>	<b>2.5</b>	<b>35,000</b>	<b>1.1</b>
Blaine	17,000	1.5	25,000	12,000	1.9	5,000	0.4
Chouteau	8,500	1.7	14,500	7,500	1.9	1,000	0.5
Glacier	9,000	1.3	12,000	5,000	2.0	4,000	0.5
Hill	5,000	1.6	8,000	3,500	2.0	1,500	0.7
Liberty	1,500	1.7	2,500	1,000	2.0	500	1.0
Phillips	18,000	1.8	31,500	16,000	1.9	2,000	0.3
Pondera	15,000	2.1	31,000	12,000	2.4	3,000	0.7
Teton	22,000	2.3	51,000	21,000	2.4	1,000	1.0
Toole	4,000	1.1	4,500	2,000	2.0	2,000	0.3
<b>NORTH CENTRAL</b>	<b>100,000</b>	<b>1.8</b>	<b>180,000</b>	<b>80,000</b>	<b>2.1</b>	<b>20,000</b>	<b>0.5</b>
Daniels	5,000	0.9	4,500	1,500	2.0	3,500	0.4
Dawson	9,000	1.4	12,500	5,000	2.2	4,000	0.4
Garfield	4,500	1.7	7,500	4,000	1.8	500	1.0
McCone	4,000	1.9	7,500	3,000	2.3	1,000	0.5
Richland	15,000	1.6	24,000	9,500	2.3	5,500	0.4
Roosevelt	8,000	1.5	12,000	5,000	2.2	3,000	0.3
Sheridan	8,500	1.1	9,500	3,000	2.3	5,500	0.5
Valley	26,000	2.0	52,500	24,000	2.2	2,000	0.3
<b>NORTHEAST</b>	<b>80,000</b>	<b>1.6</b>	<b>130,000</b>	<b>55,000</b>	<b>2.2</b>	<b>25,000</b>	<b>0.4</b>
Broadwater	18,000	2.6	47,000	17,000	2.7	1,000	1.0
Cascade	36,000	1.0	34,500	8,000	2.5	28,000	0.5
Fergus	74,000	0.9	65,000	11,000	2.3	63,000	0.6
Golden Valley	6,000	1.8	10,500	4,000	2.3	2,000	0.8
Judith Basin	34,000	0.9	29,000	4,000	2.3	30,000	0.7
Lewis & Clark	24,000	2.0	48,000	18,000	2.4	6,000	0.8
Meagher	15,000	2.1	31,000	12,000	2.3	3,000	1.0
Musselshell	10,000	1.7	16,500	6,000	2.3	4,000	0.6
Petroleum	8,000	1.9	15,500	6,000	2.3	2,000	0.8
Wheatland	10,000	2.3	23,000	9,000	2.4	1,000	1.0
<b>CENTRAL</b>	<b>235,000</b>	<b>1.4</b>	<b>320,000</b>	<b>95,000</b>	<b>2.4</b>	<b>140,000</b>	<b>0.6</b>
Beaverhead	54,000	2.9	156,500	52,000	3.0	2,000	0.8
Gallatin	52,000	2.8	146,000	42,000	3.2	10,000	1.1
Jefferson	17,000	2.7	46,000	16,000	2.8	1,000	1.0
Madison	68,000	2.6	176,500	66,000	2.7	2,000	0.8
Silver Bow	4,000	2.5	10,000	4,000	2.5	0	0.0
<b>SOUTHWEST</b>	<b>195,000</b>	<b>2.7</b>	<b>535,000</b>	<b>180,000</b>	<b>2.9</b>	<b>15,000</b>	<b>1.0</b>
Big Horn	46,000	1.5	69,000	15,000	2.9	31,000	0.8
Carbon	38,000	1.8	69,000	24,000	2.5	14,000	0.6
Park	37,000	2.0	73,500	33,000	2.2	4,000	0.6
Stillwater	36,000	1.2	43,000	13,000	2.4	23,000	0.5
Sweet Grass	31,000	1.9	57,500	27,000	2.0	4,000	0.6
Treasure	9,000	2.1	19,000	6,000	2.8	3,000	0.7
Yellowstone	28,000	2.1	59,000	17,000	3.1	11,000	0.6
<b>SOUTH CENTRAL</b>	<b>225,000</b>	<b>1.7</b>	<b>390,000</b>	<b>135,000</b>	<b>2.4</b>	<b>90,000</b>	<b>0.7</b>
Carter	9,000	0.8	7,500	2,500	2.0	6,500	0.4
Custer	13,000	2.0	26,400	9,000	2.8	4,000	0.4
Fallon	10,000	1.0	9,500	3,000	2.3	7,000	0.4
Powder River	12,000	1.2	14,000	5,500	2.2	6,500	0.3
Prairie	5,000	2.5	12,300	4,500	2.7	500	0.6
Rosebud	23,000	1.6	37,800	14,500	2.2	8,500	0.7
Wibaux	3,000	0.8	2,500	1,000	2.0	2,000	0.3
<b>SOUTHEAST</b>	<b>75,000</b>	<b>1.5</b>	<b>110,000</b>	<b>40,000</b>	<b>2.4</b>	<b>35,000</b>	<b>0.4</b>
<b>MONTANA</b>	<b>1,100,000</b>	<b>1.9</b>	<b>2,090,000</b>	<b>740,000</b>	<b>2.5</b>	<b>360,000</b>	<b>0.7</b>

# ALL OTHER HAY: Acreage, Yield, and Production by Counties and Districts, 1987

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Per Acre		Acres	Per Acre	Acres	Per Acre
			-----Tons-----		-Tons-		-Tons-
Deer Lodge	4,500	1.8	8,000	4,500	1.8	0	0.0
Flathead	9,000	1.7	15,000	4,000	1.4	5,000	1.9
Granite	16,000	1.8	29,500	15,000	1.9	1,000	1.2
Lake	12,000	1.7	20,000	9,000	1.7	3,000	1.4
Lincoln	4,000	1.8	7,000	2,000	2.0	2,000	1.5
Mineral	1,500	1.7	2,500	500	2.2	1,000	1.4
Missoula	9,000	1.9	17,500	8,000	2.0	1,000	1.5
Powell	27,000	1.9	52,000	26,000	1.9	1,000	1.9
Ravalli	12,000	2.1	25,000	12,000	2.1	0	0.0
Sanders	5,000	1.7	8,500	3,000	2.0	2,000	1.2
<b>NORTHWEST</b>	<b>100,000</b>	<b>1.9</b>	<b>185,000</b>	<b>84,000</b>	<b>1.9</b>	<b>16,000</b>	<b>1.6</b>
Blaine	15,000	1.5	22,000	7,500	1.7	7,500	1.2
Chouteau	14,000	1.4	19,000	5,500	1.7	8,500	1.1
Glacier	10,000	1.5	15,000	5,000	1.8	5,000	1.2
Hill	16,000	1.5	24,000	2,500	1.8	13,500	1.4
Liberty	6,000	1.3	7,500	800	2.5	5,200	1.1
Phillips	44,000	1.3	57,000	26,000	1.3	18,000	1.3
Pondera	5,000	1.4	7,000	1,000	2.0	4,000	1.3
Teton	12,000	1.7	20,500	6,200	2.6	5,800	0.8
Toole	8,000	1.0	8,000	500	2.0	7,500	0.9
<b>NORTH CENTRAL</b>	<b>130,000</b>	<b>1.4</b>	<b>180,000</b>	<b>55,000</b>	<b>1.6</b>	<b>75,000</b>	<b>1.2</b>
Daniels	20,000	1.0	20,500	0	0.0	20,000	1.0
Dawson	31,000	1.2	38,000	4,500	2.2	26,500	1.1
Garfield	21,000	1.5	30,500	3,000	2.5	18,000	1.3
McCone	59,000	1.4	81,500	4,000	1.9	55,000	1.3
Richland	28,000	1.2	32,500	3,000	2.3	25,000	1.0
Roosevelt	28,000	1.2	34,500	4,500	1.9	23,500	1.1
Sheridan	24,000	1.1	27,000	1,000	2.0	23,000	1.1
Valley	34,000	1.3	45,500	10,000	1.8	24,000	1.2
<b>NORTHEAST</b>	<b>245,000</b>	<b>1.3</b>	<b>310,000</b>	<b>30,000</b>	<b>2.0</b>	<b>215,000</b>	<b>1.2</b>
Broadwater	4,000	2.0	8,000	4,000	2.0	0	0.0
Cascade	11,000	1.8	20,000	5,000	2.4	6,000	1.3
Fergus	16,000	1.6	25,000	7,000	1.6	9,000	1.6
Golden Valley	6,000	1.3	8,000	3,000	1.7	3,000	1.0
Judith Basin	10,000	1.4	14,000	2,500	1.6	7,500	1.3
Lewis & Clark	10,000	2.0	20,000	6,000	2.2	4,000	1.8
Meagher	19,000	1.6	29,500	15,000	1.6	4,000	1.4
Musselshell	13,000	1.1	14,000	2,000	1.5	11,000	1.0
Petroleum	6,000	1.3	7,500	700	2.1	5,300	1.1
Wheatland	5,000	1.8	9,000	4,800	1.8	200	1.5
<b>CENTRAL</b>	<b>100,000</b>	<b>1.6</b>	<b>155,000</b>	<b>50,000</b>	<b>1.8</b>	<b>50,000</b>	<b>1.3</b>
Beaverhead	76,000	1.5	114,000	75,700	1.5	300	1.3
Gallatin	17,500	2.0	34,500	13,500	2.1	4,000	1.4
Jefferson	9,000	2.0	18,000	8,700	2.0	300	1.7
Madison	25,000	2.1	52,000	24,700	2.1	300	1.0
Silver Bow	2,500	1.8	4,500	2,400	1.8	100	1.0
<b>SOUTHWEST</b>	<b>130,000</b>	<b>1.7</b>	<b>223,000</b>	<b>125,000</b>	<b>1.7</b>	<b>5,000</b>	<b>1.4</b>
Big Horn	11,000	1.5	16,000	3,000	1.8	8,000	1.3
Carbon	12,000	2.2	26,500	11,000	2.3	1,000	1.5
Park	17,000	1.9	33,000	15,000	2.0	2,000	1.5
Stillwater	17,000	1.4	23,500	7,000	1.9	10,000	1.1
Sweet Grass	16,000	1.5	23,500	6,000	2.0	10,000	1.2
Treasure	2,000	2.0	4,000	2,000	2.0	0	0.0
Yellowstone	20,000	1.7	33,500	6,000	2.6	14,000	1.3
<b>SOUTH CENTRAL</b>	<b>95,000</b>	<b>1.7</b>	<b>160,000</b>	<b>50,000</b>	<b>2.1</b>	<b>45,000</b>	<b>1.2</b>
Carter	20,000	1.4	27,000	5,000	1.8	15,000	1.2
Custer	16,000	1.5	23,500	6,000	2.0	10,000	1.2
Fallon	17,000	1.3	22,000	1,500	2.0	15,500	1.2
Powder River	10,000	1.5	14,500	3,000	2.0	7,000	1.2
Prairie	14,000	1.3	18,000	2,000	2.0	12,000	1.2
Rosebud	12,000	1.6	19,000	8,000	1.8	4,000	1.3
Wibaux	11,000	1.2	13,000	500	2.0	10,500	1.1
<b>SOUTHEAST</b>	<b>100,000</b>	<b>1.4</b>	<b>137,000</b>	<b>26,000</b>	<b>1.9</b>	<b>74,000</b>	<b>1.2</b>
<b>MONTANA</b>	<b>900,000</b>	<b>1.5</b>	<b>1,350,000</b>	<b>420,000</b>	<b>1.8</b>	<b>480,000</b>	<b>1.2</b>

# ALL OTHER HAY: Acreage, Yield, and Production by Counties and Districts, 1988

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested	Yield	Production	Harvested	Yield	Harvested	Yield
	Acres	Per Acre		Acres	Per Acre	Acres	Per Acre
			-----Tons-----		-----Tons-----		-----Tons-----
Deerlodge . . . . .	4,000	1.3	5,000	4,000	1.3	0	0.0
Flathead . . . . .	8,000	1.4	11,500	4,000	1.9	4,000	1.0
Granite . . . . .	18,000	1.3	23,500	17,000	1.3	1,000	1.0
Lake . . . . .	13,000	1.5	19,200	10,000	1.7	3,000	0.7
Lincoln . . . . .	4,000	1.3	5,000	2,000	1.9	2,000	0.7
Mineral . . . . .	1,000	1.3	1,300	500	1.6	500	1.0
Missoula . . . . .	6,000	1.8	10,500	5,500	1.8	500	1.0
Powell . . . . .	26,000	1.3	33,000	25,000	1.3	1,000	0.5
Ravalli . . . . .	14,000	1.8	25,000	13,000	1.8	1,000	1.0
Sanders . . . . .	6,000	1.4	8,500	4,000	1.8	2,000	0.8
<b>NORTHWEST . . . . .</b>	<b>100,000</b>	<b>1.4</b>	<b>142,500</b>	<b>85,000</b>	<b>1.5</b>	<b>15,000</b>	<b>0.8</b>
Blaine . . . . .	7,000	0.9	6,000	4,000	1.3	3,000	0.3
Chouteau . . . . .	11,000	0.5	5,000	3,000	1.0	8,000	0.3
Glacier . . . . .	10,000	0.9	8,500	5,000	1.2	5,000	0.5
Hill . . . . .	7,000	0.5	3,500	2,000	1.3	5,000	0.2
Liberty . . . . .	2,000	0.6	1,200	300	1.3	1,700	0.5
Phillips . . . . .	30,000	0.9	26,000	13,000	1.6	17,000	0.3
Pondera . . . . .	3,000	0.9	2,600	1,000	1.8	2,000	0.4
Teton . . . . .	12,000	0.9	10,900	6,500	1.5	5,500	0.2
Toole . . . . .	3,000	0.4	1,300	200	1.5	2,800	0.4
<b>NORTH CENTRAL . . . . .</b>	<b>85,000</b>	<b>0.8</b>	<b>65,000</b>	<b>35,000</b>	<b>1.4</b>	<b>50,000</b>	<b>0.3</b>
Daniels . . . . .	11,000	0.3	3,500	0	0.0	11,000	0.3
Dawson . . . . .	16,000	0.6	10,000	2,500	1.6	13,500	0.4
Garfield . . . . .	12,000	0.5	5,500	2,000	1.3	10,000	0.3
McCone . . . . .	22,500	0.5	11,500	3,000	1.0	19,500	0.4
Richland . . . . .	13,000	0.5	7,000	2,000	1.5	11,000	0.4
Roosevelt . . . . .	25,000	0.5	13,000	3,500	1.4	21,500	0.4
Sheridan . . . . .	18,500	0.5	9,500	1,000	1.5	17,500	0.5
Valley . . . . .	27,000	0.7	19,000	11,000	1.0	16,000	0.5
<b>NORTHEAST . . . . .</b>	<b>145,000</b>	<b>0.5</b>	<b>79,000</b>	<b>25,000</b>	<b>1.2</b>	<b>120,000</b>	<b>0.4</b>
Broadwater . . . . .	4,000	1.2	4,600	3,900	1.2	100	1.0
Cascade . . . . .	6,000	0.8	5,000	3,000	1.3	3,000	0.3
Fergus . . . . .	17,000	0.9	16,000	6,500	1.4	10,500	0.7
Golden Valley . . . . .	4,000	1.1	4,300	2,000	1.5	2,000	0.7
Judith Basin . . . . .	8,000	0.6	5,000	2,000	1.0	6,000	0.5
Lewis & Clark . . . . .	9,000	0.9	8,000	5,000	1.1	4,000	0.6
Meagher . . . . .	20,000	0.9	17,500	16,000	1.0	4,000	0.4
Musselshell . . . . .	6,000	0.8	4,500	2,000	1.0	4,000	0.6
Petroleum . . . . .	3,000	0.7	2,000	700	1.4	2,300	0.4
Wheatland . . . . .	3,000	1.0	3,100	2,900	1.0	100	1.0
<b>CENTRAL . . . . .</b>	<b>80,000</b>	<b>0.9</b>	<b>70,000</b>	<b>44,000</b>	<b>1.1</b>	<b>36,000</b>	<b>0.6</b>
Beaverhead . . . . .	91,000	1.4	130,500	90,000	1.4	1,000	0.5
Gallatin . . . . .	20,000	1.4	27,500	16,000	1.6	4,000	0.6
Jefferson . . . . .	10,000	1.2	12,000	10,000	1.2	0	0.0
Madison . . . . .	31,000	1.4	44,500	30,000	1.5	1,000	0.5
Silver Bow . . . . .	3,000	1.3	4,000	3,000	1.3	0	0.0
<b>SOUTHWEST . . . . .</b>	<b>155,000</b>	<b>1.4</b>	<b>218,500</b>	<b>149,000</b>	<b>1.4</b>	<b>6,000</b>	<b>0.6</b>
Big Horn . . . . .	10,000	0.8	8,300	3,500	1.6	6,500	0.4
Carbon . . . . .	12,000	1.7	20,100	11,600	1.7	400	0.3
Park . . . . .	20,000	1.3	25,700	18,000	1.4	2,000	0.4
Stillwater . . . . .	13,000	0.9	12,000	7,000	1.4	6,000	0.3
Sweet Grass . . . . .	13,000	1.0	13,000	8,000	1.4	5,000	0.4
Treasure . . . . .	2,000	1.6	3,100	1,900	1.6	100	1.0
Yellowstone . . . . .	15,000	1.0	14,800	6,000	1.8	9,000	0.5
<b>SOUTH CENTRAL . . . . .</b>	<b>85,000</b>	<b>1.1</b>	<b>97,000</b>	<b>56,000</b>	<b>1.5</b>	<b>29,000</b>	<b>0.4</b>
Carter . . . . .	10,000	0.4	4,400	2,000	1.0	8,000	0.3
Custer . . . . .	6,000	0.8	4,600	3,000	1.3	3,000	0.2
Fallon . . . . .	6,000	0.2	1,400	500	1.0	5,500	0.2
Powder River . . . . .	5,000	0.6	3,000	2,000	1.0	3,000	0.3
Prairie . . . . .	8,000	0.4	3,300	1,500	1.3	6,500	0.2
Rosebud . . . . .	10,000	1.0	9,800	6,500	1.4	3,500	0.3
Wibaux . . . . .	5,000	0.3	1,500	500	1.4	4,500	0.2
<b>SOUTHEAST . . . . .</b>	<b>50,000</b>	<b>0.6</b>	<b>28,000</b>	<b>16,000</b>	<b>1.3</b>	<b>34,000</b>	<b>0.2</b>
<b>MONTANA . . . . .</b>	<b>700,000</b>	<b>1.0</b>	<b>700,000</b>	<b>410,000</b>	<b>1.4</b>	<b>290,000</b>	<b>0.4</b>

# CATTLE and CALVES: January 1, 1980-1989

## NUMBER, VALUE PER HEAD, AND TOTAL VALUE, JANUARY 1

Year	ALL CATTLE		
	Number (000) Hd.	Farm Value	
		Per Head Dols.	Total (000) Dols.
1980 .....	2,645	510	1,348,950
1981 .....	2,675	495	1,324,125
1982 .....	2,900	395	1,145,500
1983 .....	2,990	375	1,121,250
1984 .....	3,150	395	1,244,250
1985 .....	2,960	380	1,124,800
1986 .....	2,450	375	918,750
1987 .....	2,400	405	972,000
1988 .....	2,350	595	1,398,250
1989 .....	2,350	650	1,527,500

## NUMBER BY CLASSES, JANUARY 1

Year	COWS & HEIFERS THAT HAVE CALVED		HEIFERS 500 LBS. & OVER			OTHER			TOTAL ALL CATTLE & CALVES
	Beef Cows	Milk Cows	Beef Cow Replace- ments	Milk Cow Replace- ments	Other	Steers 500 lb. & Over	Bulls 500 lb. & Over	Calves under 500 lb.	
--- Thousand Head ---									
1980 . . . . .	1,427	28	275	11	111	127	87	579	2,645
1981 . . . . .	1,439	29	276	9	111	146	85	580	2,675
1982 . . . . .	1,604	29	302	12	107	183	90	573	2,900
1983 . . . . .	1,520	29	260	9	149	218	87	718	2,990
1984 . . . . .	1,637	29	328	9	189	284	98	576	3,150
1985 . . . . .	1,513	27	255	9	183	322	89	562	2,960
1986 . . . . .	1,373	27	230	10	170	245	80	315	2,450
1987 . . . . .	1,303	24	235	7	142	228	77	384	2,400
1988 . . . . .	1,275	25	255	7	156	254	72	306	2,350
1989 . . . . .	1,324	25	296	7	148	233	75	242	2,350

## CALF CROPS AND DISPOSITION

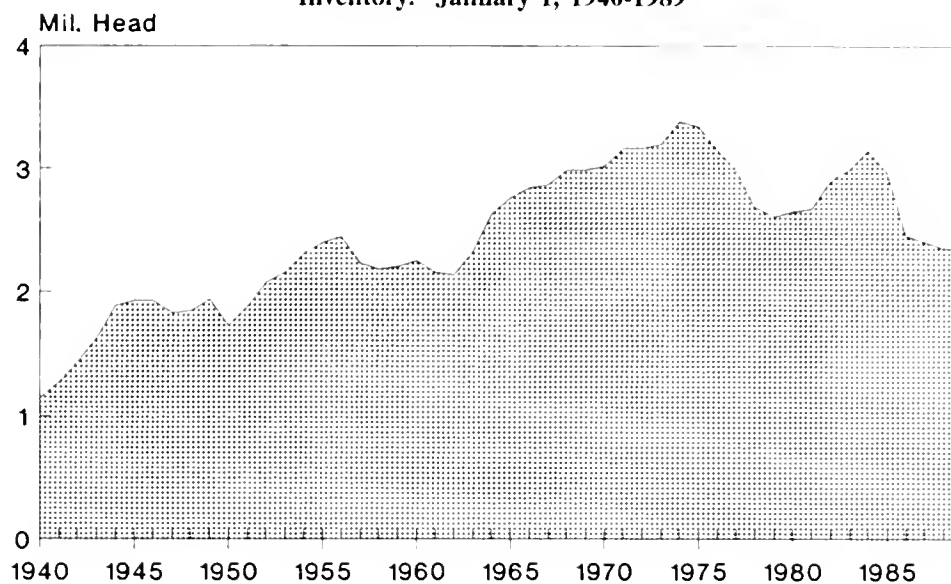
Year	CALVES	INSHIPMENTS	MARKETINGS <sup>2</sup>		FARM <sup>2</sup>	DEATHS	
	<u>BORN</u>		<u>Cattle</u>	<u>Calves</u>	<u>SLAUGHTER</u>	<u>Cattle</u>	<u>Calves</u>
					<u>Cattle &amp; Calves</u>		
				---Thousand Head---			
1979 . . . . .	1,490	167	802	652	10	46	109
1980 . . . . .	1,520	116	868	621	7	28	82
1981 . . . . .	1,580	109	779	575	10	30	70
1982 . . . . .	1,570	125	999	475	11	34	86
1983 . . . . .	1,640	125	991	501	10	33	70
1984 . . . . .	1,610	85	1,198	560	13	39	75
1985 . . . . .	1,470	95	1,347	605	8	35	80
1986 . . . . .	1,375	120	1,094	340	8	33	70
1987 . . . . .	1,280	132	1,092	270	6	29	65
1988 . . . . .	1,350	123	1,094	280	6	32	61

<sup>1</sup> Excludes interfarm sales.

<sup>2</sup> Excludes animals custom slaughtered in commercial establishments for farmers.

### CATTLE and CALVES

Inventory: January 1, 1940-1989



## CATTLE and CALVES: Production and Income, 1979-1988

	Production <sup>1</sup> --(000) Lbs.--	Marketing <sup>2</sup> --(000) Lbs.--	PRICE PER 100 LBS. --Dollars--		Cash Receipts <sup>3</sup>	Value of Home Consumption --(000) Dollars--	Gross Income
			Cattle	Calves			
1979 .....	893,025	966,260	67.10	89.80	699,980	11,502	711,482
1980 .....	999,435	1,033,150	58.00	76.80	639,938	8,769	648,707
1981 .....	1,098,045	933,300	51.90	62.70	506,118	8,806	514,924
1982 .....	1,024,395	1,081,170	48.20	60.30	540,617	9,640	550,257
1983 .....	1,200,700	1,081,670	48.00	62.40	543,673	10,003	553,676
1984 .....	1,043,330	1,197,630	47.20	60.90	597,832	11,886	609,718
1985 .....	978,465	1,370,480	47.60	62.20	689,331	11,218	700,549
1986 .....	903,965	1,051,960	49.30	62.60	537,562	8,720	546,282
1987 .....	886,060	980,980	61.10	80.70	622,071	8,856	630,927
1988 .....	932,740	1,009,810	65.70	90.60	693,345	8,858	702,203

<sup>1</sup> Adjustments made for inshipments and changes in inventory.

<sup>2</sup> Excludes interfarm sales and custom slaughter in commercial establishments for use on farms where produced.

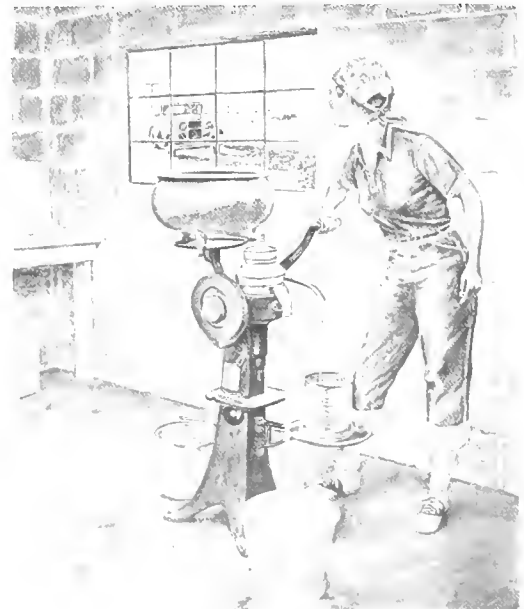
<sup>3</sup> Receipts from marketings and sale of farm slaughter.

## MILK COWS: Milk Cows on Farms, Production Per Cow, Milkfat, and Total Production, 1979-1988

	Milk Cows on Farms <sup>1</sup> (000) Head	PRODUCTION PER COW --Pounds--		Milkfat Percent	TOTAL PRODUCTION <sup>2</sup> --Mil. Lbs.--	
		Milk	Milkfat		Milk	Milkfat
1979 .....	28	10,607	380	3.58	297	11
1980 .....	29	10,828	383	3.54	314	11
1981 .....	29	11,414	403	3.53	331	12
1982 .....	29	11,759	420	3.57	341	12
1983 .....	29	12,241	438	3.58	355	12.7
1984 .....	28	12,179	434	3.56	341	12.1
1985 .....	28	12,464	442	3.55	349	12.4
1986 .....	27	12,519	442	3.53	338	11.9
1987 .....	25	13,560	477	3.52	339	11.9
1988 .....	25	14,080	493	3.50	352	12.3

<sup>1</sup> Average number during year, excluding heifers not yet fresh.

<sup>2</sup> Excludes milk sucked by calves.



## MILK AND CREAM MARKETED: Quantity, Price, and Cash Receipts, 1979-1988

Year	MILK SOLD TO PLANTS AND DEALERS			CREAM SOLD TO PLANTS AND DEALERS			MILK SOLD DIRECTLY TO CONSUMERS		
	Quantity Mil. Lbs.	Price Per 100 Lbs. Dols.	Cash Receipts 000 Dols.	Quantity Milkfat 000 Lbs.	Price Per Lb. Fat Cents	Cash Receipts 000 Dols.	Quantity 000 Qts.	Price Per Quart Cents	Cash Receipts 000 Dols.
1979 . . . . .	275	11.90	32,725	176	1.00	176	1,395	44.0	614
1980 . . . . .	295	12.80	37,760	Series discontinued			1,395	47.0	656
1981 . . . . .	311	13.40	41,674				1,395	50.0	698
1982 . . . . .	319	13.20	42,108				1,395	52.0	725
1983 . . . . .	333	13.30	44,289				1,395	52.0	726
1984 . . . . .	316	13.80	43,608				1,395	55.0	767
1985 . . . . .	329	13.10	43,099				1,395	54.0	753
1986 . . . . .	320	12.70	40,640				1,395	50.0	698
1987 . . . . .	322	12.50	40,250				1,395	45.0	628
1988 . . . . .	333	12.20	40,626				1,395	45.0	628

## DAIRY PRODUCTS MARKETED: Income and Value, 1979-1988

Year	Combined Marketing of Milk and Cream				Used for Milk, Cream and Butter on Farms Where Produced		Gross Farm Income from Dairy Products <sup>3</sup>	Farm Value of Milk Produced <sup>4</sup>
	Milk Utilized Mil. Lbs.	Average Returns <sup>1</sup> Per 100 Pounds Milk --Dollars--	Per Pound Milkfat	Cash Receipts from Marketings 000 Dols.	Milk Utilized Mil. Lbs.	Value <sup>2</sup> 000 Dols.	--000 Dols.--	--000 Dols.--
1979 . . . . .	278	11.99	3.35	33,339	11	1,319	34,658	35,610
1980 . . . . .	298	12.89	3.64	38,416	9	1,160	39,576	40,475
1981 . . . . .	314	13.49	3.82	42,372	9	1,214	43,586	44,652
1982 . . . . .	322	13.30	3.73	42,833	7	931	43,764	43,353
1983 . . . . .	336	13.40	3.74	45,015	9	1,206	46,220	47,560
1984 . . . . .	319	13.91	3.91	44,375	10	1,391	45,767	47,436
1985 . . . . .	332	13.21	3.72	43,852	7	925	44,777	46,098
1986 . . . . .	323	12.80	3.63	41,338	6	768	42,106	43,257
1987 . . . . .	325	12.58	3.57	40,878	6	755	41,633	42,639
1988 . . . . .	336	12.28	3.51	41,254	8	982	42,236	43,218

<sup>1</sup> Cash receipts divided by milk or milkfat represented in combined marketings.

<sup>2</sup> Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

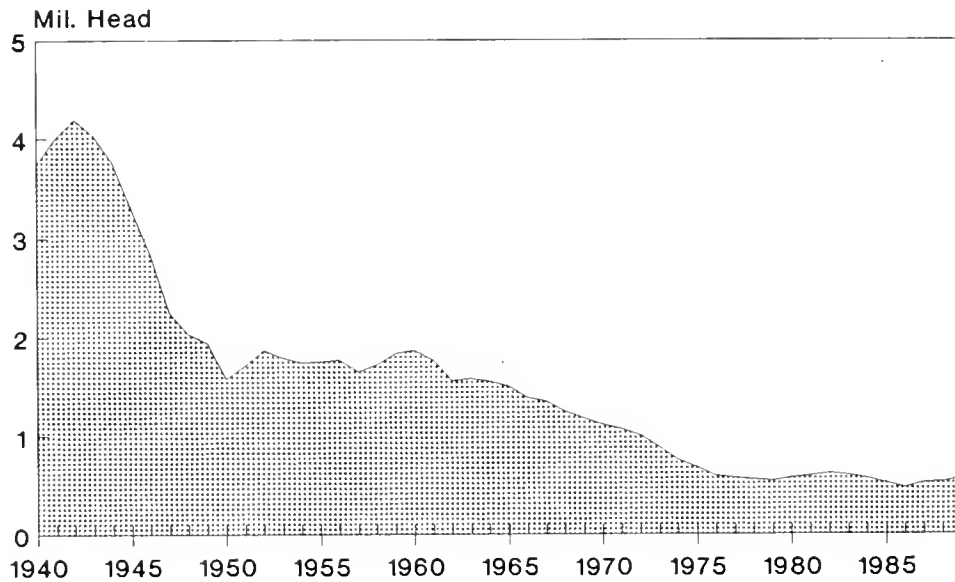
<sup>3</sup> Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.

<sup>4</sup> Includes value of milk fed to calves.



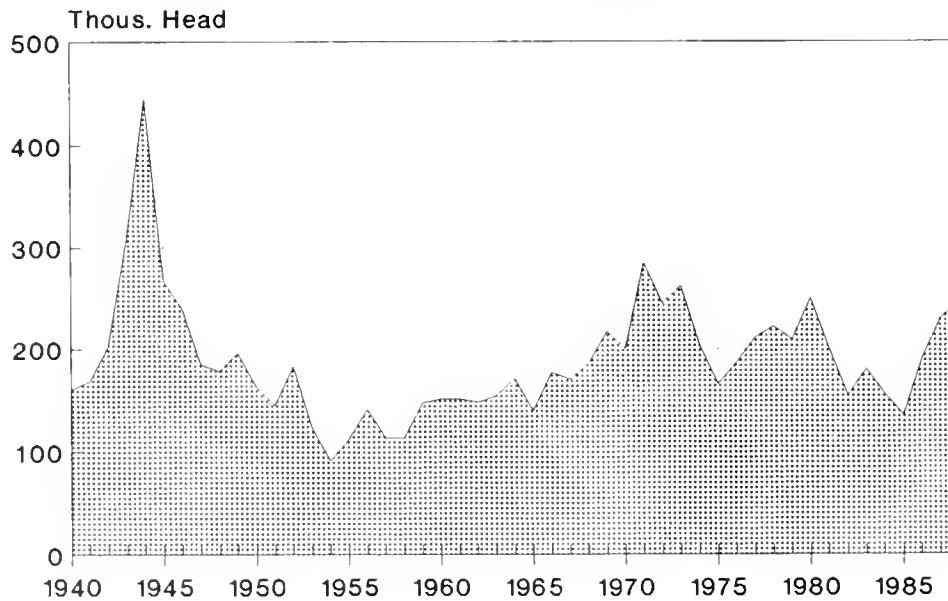
### SHEEP and LAMBS

Inventory: January 1, 1940-1989



### HOGS and PIGS

Inventory: January 1, 1940-1967, December 1, 1968-1988





## SHEEP, LAMBS & WOOL

### Number, Value Per Head and Classes, January 1, 1980-1989

Year	ALL SHEEP & LAMBS					STOCK SHEEP ONE YEAR & OVER		LAMBS	
	Farm Value			Sheep on Feed ---(000) Head---	Stock Sheep Head---	Ewes	Wethers & Rams --(000) Head--	Ewes	Wethers & Rams
	Number (000)	Per Head Dols.	Total (000)						
1980 .....	574	91.50	52,521	14	560	400	13	136	11
1981 .....	595	69.50	41,353	15	580	420	15	130	15
1982 .....	616	55.00	33,880	16	600	455	15	117	13
1983 .....	600	50.50	30,300	20	580	459	16	90	15
1984 .....	564	51.00	28,764	34	530	432	15	72	11
1985 .....	515	57.50	29,613	45	470	390	12	60	8
1986 .....	473	61.50	29,090	23	450	370	11	60	9
1987 .....	523	82.00	42,886	23	500	370	13	106	11
1988 .....	530	99.00	52,470	27	503	380	12	106	5
1989 .....	568	89.00	50,552	30	538	410	14	105	9

### Wool Production and Value, 1979-1988

Year	Sheep Shorn (000) Hd.	Per Fleece -Lbs.-	Total (000) Lbs.	Price Per Lb. -Cents-	Value (000) Dols.
1979 .....	510	9.7	4,970	94	4,672
1980 .....	539	9.9	5,359	99	5,305
1981 .....	565	10.0	5,670	102	5,783
1982 .....	575	10.3	5,903	79	4,663
1983 .....	574	10.0	5,745	67	3,849
1984 .....	585	9.7	5,700	83	4,740
1985 .....	526	10.6	5,587	67	3,743
1986 .....	500	10.5	5,225	74	3,867
1987 .....	511	10.1	5,165	102	5,268
1988 .....	533	10.5	5,600	148	8,288

### Lamb Crop and Disposition, 1979-1988

Year	Lambs Saved	INSHIPMENTS Sheep & Lambs ---(000) Head---	MARKETINGS <sup>1</sup>		FARM SLAUGHTER <sup>2</sup> Sheep & Lambs	DEATHS	
			Sheep	Lambs		Sheep	Lambs
1979 .....	360	33	52	188	3	60	56
1980 .....	390	25	87	184	2	62	59
1981 .....	420	25	73	233	3	60	55
1982 .....	470	21	94	309	2	50	52
1983 .....	475	22	119	336	3	30	45
1984 .....	470	34	101	332	3	60	57
1985 .....	470	33	78	378	2	42	45
1986 .....	450	39	60	289	3	45	42
1987 .....	440	27	87	282	1	45	45
1988 .....	460	26	45	304	2	50	47

<sup>1</sup> Excludes interfarm sales. Includes animals custom slaughtered in commercial establishments for use on farms where produced

<sup>2</sup> Excludes animals custom slaughtered in commercial establishments for farmers.

### Production and Income from Sheep and Lambs, 1979-1988

Year	Production <sup>1</sup> --(000) Pounds--	Marketings <sup>2</sup>	Price Per 100 Lbs.		Cash Receipts <sup>3</sup>	Value of Home Consumption --(000) Dollars--	Gross Income
			Sheep --Dollars--	Lambs			
1979 .....	26,219	24,041	24.40	68.20	13,243	247	13,490
1980 .....	29,124	28,564	17.70	61.70	12,307	158	12,465
1981 .....	36,494	35,311	17.40	47.20	13,469	185	13,654
1982 .....	43,293	46,576	15.00	48.10	17,815	94	17,909
1983 .....	42,994	49,335	11.40	47.80	17,782	221	18,003
1984 .....	32,048	42,362	14.30	60.30	19,302	227	19,529
1985 .....	36,251	44,845	17.60	66.80	24,584	220	24,804
1986 .....	35,810	35,124	22.70	67.20	19,865	333	20,198
1987 .....	35,202	37,126	27.40	80.50	23,326	133	23,459
1988 .....	36,237	33,394	22.20	66.30	19,302	226	19,528

<sup>1</sup> Adjustments made for inshipments and changes in inventory.

<sup>2</sup> Excludes interfarm sales and custom slaughter in commercial establishments for use on farms where produced.

<sup>3</sup> Includes receipts from marketings and from sales of farm slaughtered meat.

## HOGS & PIGS

### Number, Value Per Head and Total Value, December 1, 1979-1988

Year	Number, Value Per Head and Total Value			Number By Classes	
	Number	Per Head	Total	Breeding	Marketing
	(000) Hd.	-Dols.-	(000) Dols.	--(000) Head--	
1979 .....	209	53.50	11,182	28	181
1980 .....	250	63.50	15,875	31	219
1981 .....	200	60.50	12,100	24	176
1982 .....	154	77.50	11,935	20	134
1983 .....	180	60.00	10,800	21	159
1984 .....	155	67.00	10,385	16	139
1985 .....	135	69.50	9,383	16	119
1986 .....	190	82.50	15,675	21	169
1987 .....	230	72.50	16,675	30	200
1988 .....	245	72.00	17,640	32	213

### Pig Crops and Disposition, 1979-1988

Year	Pig Crops		In Shipments	Marketings <sup>1</sup> --(000) Head--	Farm Slaughter <sup>2</sup>	Deaths
	Spring	Fall				
1979 . . . . .	155	153	4	299	5	21
1980 . . . . .	185	185	7	302	10	24
1981 . . . . .	180	154	6	362	8	20
1982 . . . . .	152	104	6	295	3	10
1983 . . . . .	128	128	6	216	5	15
1984 . . . . .	117	131	6	257	5	17
1985 . . . . .	126	118	6	252	7	11
1986 . . . . .	156	168	7	257	3	16
1987 . . . . .	173	185	7	306	3	16
1988 . . . . .	184	217	7	369	4	20

<sup>1</sup> Includes animals custom slaughtered in commercial establishments for use on farms where produced.

<sup>2</sup> Excludes animals custom slaughtered in commercial establishments for farmers.

### Production and Income from Hogs and Pigs, 1979-1988

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	Price Per	Cash	Value of Home	
	--(000) Lbs.--		100 Pounds	Receipts <sup>3</sup>	Consumption	Gross Income
			-Dols.-	(000) Dols.	--(000) Dols.--	
1979 .....	73,031	72,095	39.50	28,491	835	29,326
1980 .....	76,685	70,850	37.20	26,433	1,136	27,569
1981 .....	82,039	84,585	41.40	35,090	1,167	36,257
1982 .....	64,016	69,429	46.80	32,614	526	33,140
1983 .....	56,378	50,960	43.90	22,500	671	23,171
1984 .....	58,419	60,882	43.90	26,855	671	27,526
1985 .....	56,622	56,731	38.50	21,954	760	22,714
1986 .....	65,069	58,026	42.10	24,503	534	25,037
1987 .....	75,066	67,687	45.80	31,257	872	32,129
1988 .....	84,620	83,090	36.60	30,633	516	31,149

<sup>1</sup> Adjustments made for inshipments and changes in inventory. <sup>2</sup> Excludes interfarm sales and custom slaughter in commercial establishments for use on farms where produced. <sup>3</sup> Includes receipts from marketings and from sales of farm slaughtered meat.

## CHICKENS

### Number, Value Per Bird and Total Value, December 1, 1979-1988

Year	Numbers (000)	Farm Value	
		Per Bird Dollars	Total 000 Dols.
1979 .....	890	2.25	2,003
1980 .....	965	2.45	2,364
1981 .....	940	2.10	1,974
1982 .....	970	2.25	2,183
1983 .....	940	1.95	1,833
1984 .....	1,025	2.00	2,050
1985 .....	1,010	1.80	1,818
1986 .....	1,010	2.00	2,020
1987 .....	990	2.45	2,426
1988 .....	910	2.30	2,093

### Production & Income from Chickens, 1979-1988

Production & Income from Chickens, 1979-1988			Price Per	Cash	Gross
Year	<u>Produced</u>	<u>Sold</u>	<u>Pound</u>	<u>Receipts</u>	<u>Income</u>
	--(000) Lbs.--		-Cents-	--(000) Dols.--	
1979 .....	1,444	1,180	7.0	83	126
1980 .....	2,450	1,460	8.0	117	159
1981 .....	3,362	2,900	6.0	174	204
1982 .....	3,474	3,000	6.0	180	206
1983 .....	3,021	2,680	7.0	188	219
1984 .....	3,008	2,320	8.0	186	220
1985 .....	4	2,400	7.0	168	4
1986 .....	4	2,360	8.0	189	4
1987 .....	4	2,480	6.0	149	4
1988 .....	4	2,896	6.0	174	4

### Farm Production, Disposition and Income from Eggs, 1979-1988

Year <sup>1</sup>	Layers <sup>2</sup> -(000)-	Eggs Per Layer No.	Egg Production	Consumed in Household --Millions--	Sold	Price Per Dozen Cents	Cash Receipts	Gross Income
1979 <sup>3</sup> .....	754	236	178	7	171	62.5	8,906	9,271
1980 .....	727	234	170	5	165	57.5	7,906	8,146
1981 .....	778	224	174	3	171	62.0	8,835	8,990
1982 .....	767	245	188	3	185	55.0	8,479	8,617
1983 .....	772	250	193	5	188	55.5	8,695	8,926
1984 .....	770	257	198	5	193	64.0	10,293	10,560
1985 .....	807	250	202	4	4	51.0	4	8,585
1986 .....	790	254	201	4	4	56.0	4	9,380
1987 .....	789	260	205	4	4	50.0	4	8,542
1988 .....	773	251	194	4	4	48.0	4	7,760

<sup>1</sup> Data related to the 12 month period beginning with December 1, of the previous year through November of the current year. <sup>2</sup> Average number of layers on hand during the year. <sup>3</sup> Included are eggs destroyed because of possible PCB contamination. <sup>4</sup> Discontinued

## HONEY AND BEESWAX: Production, Price, and Value, 1976-1988

Year	Colonies of Bees -Number-	Yield Per Per Colony -Lbs.-	Production		Price Per Pound		Value of Production	
			Honey	Beeswax	Honey	Beeswax	Honey	Beeswax
			-(000) Lbs.-		-Cents-		-(000) Dols.-	
1976 .....	85,000	112	9,520	162	46.9	108.0	4,465	175
1977 .....	96,000	57	5,472	104	53.9	172.0	2,949	179
1978 .....	99,000	89	8,811	159	53.8	178.0	4,740	283
1979 .....	103,000	128	13,184	224	57.7	164.0	7,607	367
1980 .....	103,000	104	10,712	214	56.0	190.0	5,999	407
1981 .....	108,000	100	10,800	184	57.0	198.0	6,156	364
1982-1985 ..	Data Not Available							
1986 .....	110,000	64	7,040	1	50.0	1	3,520	1
1987 .....	95,000	102	9,690	1	44.0	1	4,264	1
1988 .....	105,000	48	5,040	1	47.0	1	2,369	1

1/ Discontinued

## COMMERCIAL LIVESTOCK SLAUGHTER

### Number of Head by Classes and Years, 1979-1988

Year	Cattle and Calves --(000) Head--	Hogs and Pigs --(000) Head--	Sheep and Lambs --(000) Head--
1979 .....	151.1	461.8	2.3
1980 .....	156.2	526.5	2.9
1981 .....	134.4	526.3	3.6
1982 .....	92.0	440.3	4.2
1983 .....	99.1	354.1	4.2
1984 .....	92.6	70.5	4.0
1985 .....	40.2	31.9	3.0
1986 .....	28.4	28.5	2.9
1987 .....	22.4	27.2	2.9
1988 .....	18.2	30.3	2.6

### Total Red Meat Production by Months, 1979-1988 <sup>1</sup>

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	--Millions of Pounds--												
1979 .....	12	10	11	10	12	13	14	16	15	18	17	14	162
1980 .....	16	15	13	15	16	15	15	15	15	17	15	16	183
1981 .....	14	13	14	14	14	14	13	11	15	16	16	15	169
1982 <sup>2</sup> .....	39	39	39	24	24	24	25	25	38	38	38	38	126
1983 .....	13	11	11	10	9	12	10	12	12	8	5	5	118
1984 .....	5	4	2	3	4	4	4	6	6	8	10	7	63
1985 .....	6	3	2	2	2	2	2	2	2	2	2	2	29
1986 .....	2	1	1	2	2	2	2	2	2	2	1	2	21
1987 .....	1	1	1	1	1	2	2	2	1	2	2	2	18
1988 .....	1	1	1	1	1	1	1	2	1	1	1	1	13

<sup>1</sup> Includes slaughter in Federally inspected and other slaughter plants but excludes animals slaughtered on farms. <sup>2</sup> Quarterly totals only.

### Number of head Slaughtered by Months and Classes, 1979-1988

Month	Cattle and Calves			Hogs and Pigs			Sheep and Lambs		
	1986	1987	1988	1986	1987	1988	1986	1987	1988
	--(000) Head--			--(000) Head--			--(000) Head--		
January .....	2.4	1.9	1.4	2.5	2.2	2.4	.2	.1	.1
February .....	1.7	1.6	1.2	2.0	1.9	2.1	.1	.1	.1
March .....	1.9	1.7	1.4	2.4	2.3	2.5	.1	.1	.1
April .....	2.3	1.8	1.3	2.4	2.2	2.3	.1	.2	.1
May .....	2.3	1.9	1.5	2.4	1.8	2.3	.1	.1	.1
June .....	2.2	1.9	1.7	2.3	2.0	2.2	.1	.2	.2
July .....	2.6	2.1	1.4	2.4	2.2	2.4	.3	.3	.2
August .....	2.6	1.9	2.0	2.5	2.6	3.2	.6	.5	.7
September .....	3.2	1.8	1.6	2.5	2.4	2.8	.4	.4	.4
October .....	2.7	2.1	1.6	2.6	2.4	3.0	.4	.4	.3
November .....	2.1	1.8	1.6	2.0	2.5	2.7	.2	.2	.2
December .....	2.3	1.8	1.4	2.4	2.6	2.4	.2	.2	.2
Total <sup>1</sup> .....	28.4	22.4	18.2	28.5	27.2	30.3	2.9	2.9	2.6

<sup>1</sup> May not add due to rounding.

## DAIRY PRODUCTS MANUFACTURED

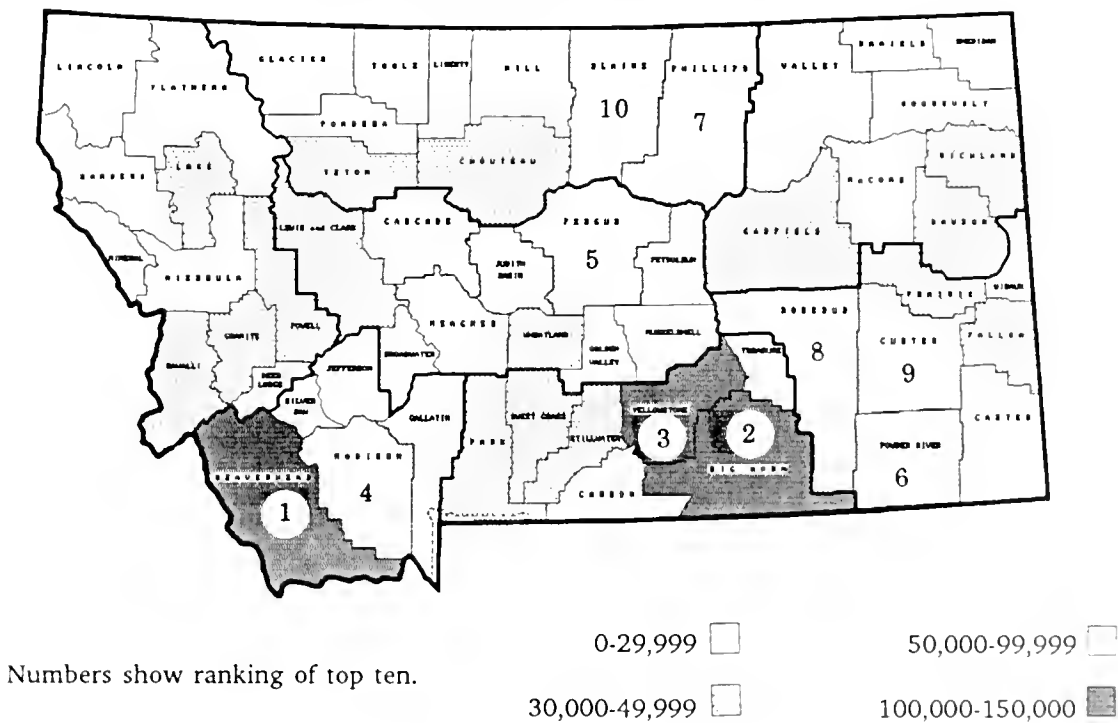
Year	Creamery Butter	Cheese		Ice Cream	Ice Milk <sup>1</sup>	Sherbet	"Mellorine Type" Frozen Desserts
		American Cheddar	Cottage Cheese Creamed				
		--(000) Pounds--					
1979 . . . . .	1,796	1,574	4,962	1,794	1,300	81	58
1980 . . . . .	1,938	2	5,200	1,963	1,063	82	2
1981 . . . . .	2,082	2	5,635	1,908	963	71	2
1982 . . . . .	2,191	2	5,578	1,833	1,057	82	2
1983 . . . . .	1,907	2	6,155	1,931	1,070	91	2
1984 . . . . .	1,768	2	6,511	1,984	1,017	88	2
1985 . . . . .	1,794	2	4,287	1,895	1,368	102	2
1986 . . . . .	1,843	2	3,858	1,882	1,301	86	2
1987 . . . . .	1,533	2	3,646	1,511	1,094	2	2
1988 . . . . .	1,350	2	3,281	2	1,087	2	2

<sup>1</sup> Includes low fat ice cream. <sup>2</sup> Not published to avoid disclosing individual plant operations.

CATTLE and CALVES: Percent of Operations and Inventory By Size Groups, 1979-1988

Year	1-49 Head		50-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
--Percent--								
1979	45.0	3.5	17.6	5.9	29.9	40.0	7.5	50.6
1980	42.4	3.6	15.8	5.1	33.9	39.6	7.9	51.7
1981	39.3	2.8	14.1	4.0	36.8	37.6	9.8	55.6
1982	36.2	3.0	16.3	5.7	37.5	39.3	10.0	52.0
1983	36.8	3.5	15.3	5.0	38.1	43.2	9.8	48.3
1984	39.8	3.8	15.1	5.6	36.7	44.6	8.4	46.0
1985	43.2	4.5	16.7	7.5	33.3	44.1	6.8	43.9
1986	44.3	5.0	17.5	8.0	31.9	43.5	6.3	43.5
1987	47.8	4.4	14.0	6.6	32.5	47.5	5.7	41.5
1988	45.9	4.8	15.9	7.7	31.8	43.0	6.4	44.5

CATTLE & CALVES  
NUMBER OF HEAD JANUARY 1, 1988



**LIVESTOCK: Inventory by Counties, January 1, 1987-1988**

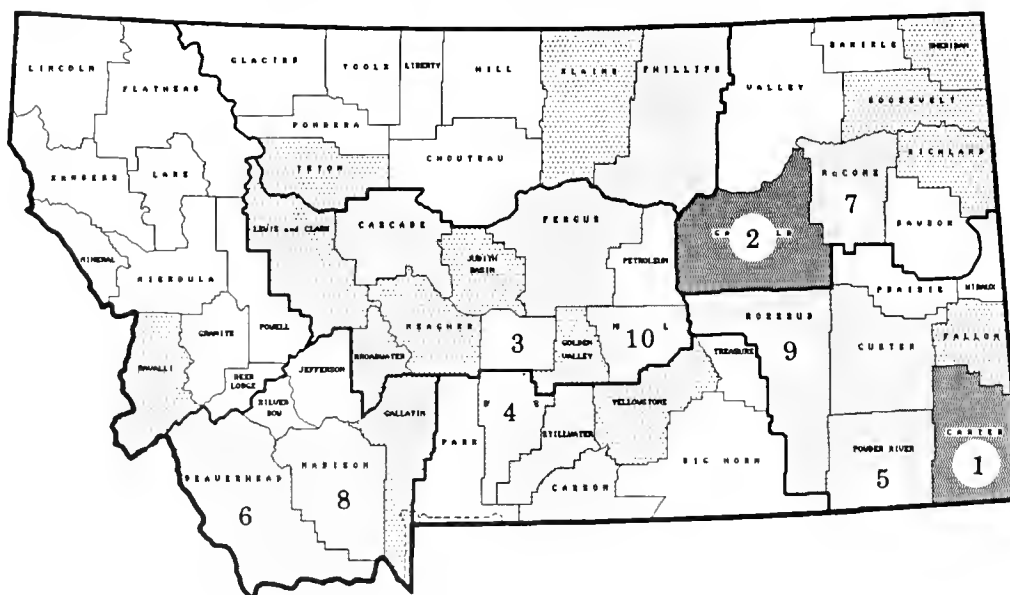
COUNTY & DISTRICT	All Cattle and Calves		Milk Cows and Heifers That Have Calved	
	1987	1988	1987	1988
Deer Lodge .....	8,900	8,500	0	0
Flathead .....	23,500	22,500	1,700	2,100
Granite .....	31,800	30,000	0	0
Lake .....	49,000	49,000	2,800	2,900
Lincoln .....	6,000	5,500	100	100
Mineral .....	1,200	1,100	0	0
Missoula .....	14,000	13,500	200	200
Powell .....	45,100	43,000	200	200
Ravalli .....	46,000	42,000	2,300	2,400
Sanders .....	22,000	27,000	300	300
<b>NORTHWEST .....</b>	<b>247,500</b>	<b>242,100</b>	<b>7,600</b>	<b>8,200</b>
Blaine .....	68,500	65,000	200	200
Chouteau .....	47,000	40,000	100	100
Glacier .....	25,500	25,000	200	300
Hill .....	23,000	22,500	300	300
Liberty .....	11,800	13,000	300	400
Phillips .....	68,600	69,000	100	100
Pondera .....	21,700	22,000	400	500
Teton .....	47,200	43,000	700	700
Toole .....	14,700	15,000	300	300
<b>NORTH CENTRAL ...</b>	<b>328,000</b>	<b>314,500</b>	<b>2,600</b>	<b>2,900</b>
Daniels .....	13,700	13,000	0	0
Dawson .....	34,500	34,000	400	400
Garfield .....	50,900	49,000	100	100
McCone .....	31,300	29,000	100	100
Richland .....	38,200	39,700	100	100
Roosevelt .....	17,600	19,000	0	0
Sheridan .....	16,800	16,500	0	0
Valley .....	60,500	60,000	100	100
<b>NORTHEAST .....</b>	<b>263,500</b>	<b>260,200</b>	<b>800</b>	<b>800</b>
Broadwater .....	24,500	23,000	100	0
Cascade .....	61,000	63,000	1,200	1,300
Fergus .....	93,100	92,500	500	500
Golden Valley .....	22,500	22,000	100	100
Judith Basin .....	51,000	50,000	100	100
Lewis & Clark .....	38,000	39,000	400	200
Meagher .....	52,800	51,000	100	100
Musselshell .....	30,300	28,000	100	100
Petroleum .....	26,400	25,000	0	0
Wheatland .....	31,400	31,000	300	300
<b>CENTRAL .....</b>	<b>431,000</b>	<b>424,500</b>	<b>2,900</b>	<b>2,700</b>
Beaverhead .....	155,300	150,000	0	0
Gallatin .....	67,600	64,000	5,500	5,600
Jefferson .....	22,600	22,000	500	500
Madison .....	107,500	98,000	100	200
Silver Bow .....	5,900	6,700	200	200
<b>SOUTHWEST .....</b>	<b>358,900</b>	<b>340,700</b>	<b>6,300</b>	<b>6,500</b>
Big Horn .....	110,700	113,000	200	200
Carbon .....	47,000	50,000	500	400
Park .....	47,000	47,000	400	500
Stillwater .....	44,100	44,000	200	200
Sweet Grass .....	43,000	41,500	100	100
Treasure .....	27,400	27,500	0	0
Yellowstone .....	99,500	100,000	1,700	1,900
<b>SOUTH CENTRAL ...</b>	<b>418,700</b>	<b>423,000</b>	<b>3,100</b>	<b>3,300</b>
Carter .....	55,800	52,000	100	100
Custer .....	63,600	65,000	100	100
Fallon .....	37,200	36,000	0	0
Powder River .....	75,400	69,000	100	100
Prairie .....	37,200	36,000	100	0
Rosebud .....	65,600	68,500	100	100
Wibaux .....	17,600	18,500	200	200
<b>SOUTHEAST .....</b>	<b>352,400</b>	<b>345,000</b>	<b>700</b>	<b>600</b>
<b>MONTANA .....</b>	<b>2,400,000</b>	<b>2,350,000</b>	<b>24,000</b>	<b>25,000</b>

**LIVESTOCK: Inventory by Counties, January 1, 1987-1988**

COUNTY & DISTRICT	Beef Cows and Heifers That Have Calved		Stock Sheep and Lambs	
	1987	1988	1987	1988
Deer Lodge . . . . .	4,800	4,900	300	300
Flathead . . . . .	10,000	8,900	1,300	1,900
Granite . . . . .	18,000	17,000	900	900
Lake . . . . .	25,600	27,000	4,500	4,700
Lincoln . . . . .	3,300	3,000	200	100
Mineral . . . . .	600	600	100	100
Missoula . . . . .	6,300	6,900	900	1,500
Powell . . . . .	26,600	26,000	1,900	2,200
Ravalli . . . . .	20,100	19,000	5,500	5,300
Sanders . . . . .	12,100	13,000	1,100	1,400
<b>NORTHWEST . . . . .</b>	<b>127,400</b>	<b>126,300</b>	<b>16,700</b>	<b>18,400</b>
Blaine . . . . .	40,800	40,400	6,000	5,800
Chouteau . . . . .	27,000	24,000	2,000	1,700
Glacier . . . . .	15,700	15,000	2,800	2,700
Hill . . . . .	12,100	13,700	900	700
Liberty . . . . .	6,100	7,000	600	900
Phillips . . . . .	39,900	39,500	10,000	11,000
Pondera . . . . .	12,400	13,000	5,000	4,500
Teton . . . . .	26,400	23,500	7,500	8,500
Toole . . . . .	8,500	9,500	2,300	1,400
<b>NORTH CENTRAL . . . . .</b>	<b>188,900</b>	<b>185,600</b>	<b>37,100</b>	<b>37,200</b>
Daniels . . . . .	8,500	8,000	1,400	1,800
Dawson . . . . .	20,700	19,200	3,300	3,400
Garfield . . . . .	26,900	27,300	70,000	68,300
McCone . . . . .	20,800	18,200	18,500	16,000
Richland . . . . .	20,200	20,600	6,500	5,900
Roosevelt . . . . .	10,900	11,800	4,000	6,500
Sheridan . . . . .	10,500	10,000	3,000	5,000
Valley . . . . .	34,500	35,500	3,800	3,600
<b>NORTHEAST . . . . .</b>	<b>153,000</b>	<b>150,600</b>	<b>110,500</b>	<b>110,500</b>
Broadwater . . . . .	15,100	13,500	4,500	5,400
Cascade . . . . .	32,400	36,000	9,000	10,000
Fergus . . . . .	56,300	56,500	11,500	11,000
Golden Valley . . . . .	13,600	12,000	9,500	8,000
Judith Basin . . . . .	31,800	30,300	10,000	9,800
Lewis & Clark . . . . .	19,900	22,600	9,000	8,000
Meagher . . . . .	30,800	31,000	6,500	5,500
Musselshell . . . . .	17,600	16,500	13,800	14,200
Petroleum . . . . .	15,300	15,000	4,500	4,400
Wheatland . . . . .	18,600	17,500	23,000	22,400
<b>CENTRAL . . . . .</b>	<b>251,400</b>	<b>250,900</b>	<b>101,300</b>	<b>98,700</b>
Beaverhead . . . . .	75,700	82,100	19,500	18,200
Gallatin . . . . .	26,500	25,700	7,000	7,400
Jefferson . . . . .	14,800	13,300	900	1,500
Madison . . . . .	56,800	55,000	17,500	15,700
Silver Bow . . . . .	2,900	3,500	400	400
<b>SOUTHWEST . . . . .</b>	<b>176,700</b>	<b>179,600</b>	<b>45,300</b>	<b>43,200</b>
Big Horn . . . . .	61,200	55,000	6,000	3,600
Carbon . . . . .	23,200	23,200	12,000	13,800
Park . . . . .	28,400	29,000	5,000	4,400
Stillwater . . . . .	27,900	24,000	13,500	12,800
Sweet Grass . . . . .	25,600	25,300	20,000	20,500
Treasure . . . . .	14,200	13,000	1,200	1,500
Yellowstone . . . . .	29,300	27,200	6,500	5,900
<b>SOUTH CENTRAL . . . . .</b>	<b>209,800</b>	<b>196,700</b>	<b>64,200</b>	<b>62,500</b>
Carter . . . . .	32,200	30,000	76,200	75,100
Custer . . . . .	34,600	32,700	8,000	11,100
Fallon . . . . .	22,300	22,000	4,000	6,400
Powder River . . . . .	40,000	37,000	19,000	18,900
Prairie . . . . .	20,900	17,500	4,500	3,600
Rosebud . . . . .	34,900	36,000	10,700	14,700
Wibaux . . . . .	10,900	10,100	2,500	2,700
<b>SOUTHEAST . . . . .</b>	<b>195,800</b>	<b>185,300</b>	<b>124,900</b>	<b>132,500</b>
<b>MONTANA . . . . .</b>	<b>1,303,000</b>	<b>1,275,000</b>	<b>500,000</b>	<b>503,000</b>

## SHEEP and LAMBS

### NUMBER OF HEAD JANUARY 1, 1988

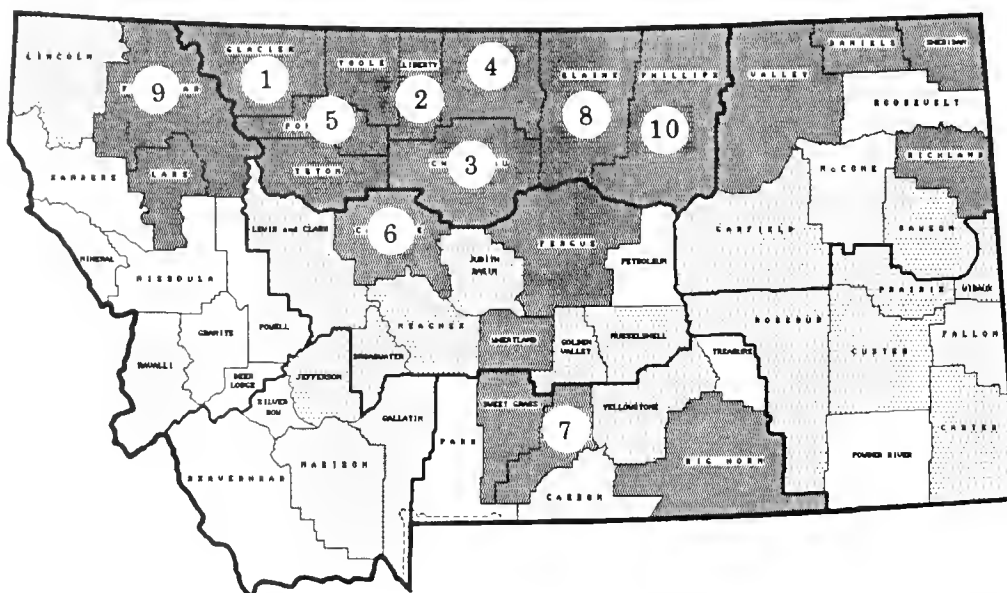


Numbers show ranking of top ten.



## HOGS and PIGS

### NUMBER OF HEAD DECEMBER 1, 1987



Numbers show ranking of top ten.





**LIVESTOCK: Inventory by Counties, December 1, 1986-1987**

COUNTY & DISTRICT	Hogs and Pigs		Chickens	
	1986	1987	1986	1987
Deer Lodge . . . . .	300	200		
Flathead . . . . .	6,500	7,300		
Granite . . . . .	400	500		
Lake . . . . .	4,200	6,100		
Lincoln . . . . .	900	1,700		
Mineral . . . . .	200	300		
Missoula . . . . .	200	300		
Powell . . . . .	600	700		
Ravalli . . . . .	2,400	4,000		
Sanders . . . . .	400	900		
<b>NORTHWEST . . . . .</b>	<b>16,100</b>	<b>22,000</b>	<b>111,900</b>	<b>110,300</b>
Blaine . . . . .	5,500	7,500		
Chouteau . . . . .	10,000	12,500		
Glacier . . . . .	11,000	14,000		
Hill . . . . .	12,500	12,000		
Liberty . . . . .	10,500	13,000		
Phillips . . . . .	4,500	7,200		
Pondera . . . . .	8,900	9,100		
Teton . . . . .	8,000	7,200		
Toole . . . . .	6,500	6,500		
<b>NORTH CENTRAL . . . . .</b>	<b>77,400</b>	<b>89,000</b>	<b>203,300</b>	<b>192,900</b>
Daniels . . . . .	5,000	5,400		
Dawson . . . . .	1,300	2,300		
Garfield . . . . .	2,000	2,200		
McCone . . . . .	1,800	3,100		
Richland . . . . .	4,500	5,000		
Roosevelt . . . . .	4,000	4,300		
Sheridan . . . . .	3,200	5,500		
Valley . . . . .	4,000	6,700		
<b>NORTHEAST . . . . .</b>	<b>25,800</b>	<b>34,500</b>	<b>14,800</b>	<b>16,300</b>
Broadwater . . . . .	1,000	1,000		
Cascade . . . . .	5,800	8,500		
Fergus . . . . .	5,600	6,400		
Golden Valley . . . . .	3,700	2,800		
Judith Basin . . . . .	900	1,500		
Lewis & Clark . . . . .	1,800	2,600		
Meagher . . . . .	1,700	2,300		
Musselshell . . . . .	1,200	1,900		
Petroleum . . . . .	0	0		
Wheatland . . . . .	6,500	7,000		
<b>CENTRAL . . . . .</b>	<b>28,200</b>	<b>34,000</b>	<b>282,700</b>	<b>231,400</b>
Beaverhead . . . . .	400	500		
Gallatin . . . . .	4,500	4,800		
Jefferson . . . . .	1,500	2,100		
Madison . . . . .	4,000	3,400		
Silver Bow . . . . .	200	200		
<b>SOUTHWEST . . . . .</b>	<b>10,600</b>	<b>11,000</b>	<b>161,600</b>	<b>204,500</b>
Big Horn . . . . .	3,600	6,500		
Carbon . . . . .	2,200	3,500		
Park . . . . .	500	600		
Stillwater . . . . .	5,000	8,000		
Sweet Grass . . . . .	5,000	5,200		
Treasure . . . . .	300	200		
Yellowstone . . . . .	4,600	2,500		
<b>SOUTH CENTRAL . . . . .</b>	<b>21,200</b>	<b>26,500</b>	<b>201,700</b>	<b>201,200</b>
Carter . . . . .	2,400	2,000		
Custer . . . . .	1,100	1,400		
Fallon . . . . .	2,600	4,200		
Powder River . . . . .	600	500		
Prairie . . . . .	1,500	1,700		
Rosebud . . . . .	1,400	1,900		
Wibaux . . . . .	1,100	1,300		
<b>SOUTHEAST . . . . .</b>	<b>10,700</b>	<b>13,000</b>	<b>34,000</b>	<b>33,400</b>
<b>MONTANA . . . . .</b>	<b>190,000</b>	<b>230,000</b>	<b>1,010,000</b>	<b>990,000</b>

## AGRICULTURAL EXPORTS

The value of Montana agricultural commodities exported during the year ending September 30, 1988, totaled \$432.3 million, up 64 percent from a year earlier. Wheat and wheat products accounted for 79 percent of the total value of exports for the state.

Value of United States agricultural commodities exported for the year ending September 30, 1988, increased 27 percent from the previous fiscal year. Wheat and wheat products accounted for 13 percent of the total value of the nation's exports.

Kansas ranked Number One in the export of wheat and wheat products in fiscal year 1988, followed by North Dakota, Oklahoma, Montana, and Washington. California is the leading agricultural export state for all products, followed by Iowa, Illinois, Kansas, and Texas.

About 18 percent of the nation's total agricultural production was exported in fiscal year 1988--the highest level in four years, but still below the record 24 percent set in fiscal year 1981.

### AGRICULTURAL EXPORTS: Montana and U.S., 1986 - 1988 <sup>1</sup>

COMMODITY	MONTANA			UNITED STATES		
	1986	1987	1988	1986	1987	1988
	--Million Dollars--			--Million Dollars--		
Wheat and Products	66.7	189.9	342.0	3,546.8	3,115.6	4,673.8
Feed Grains and Products	5.1	41.9	52.3	4,707.2	4,662.3	6,228.5
Fruits and Preparations	.6	.4	.6	1,237.0	1,466.2	1,714.4
Vegetables and Preparations	--	--	--	998.2	1,175.8	1,282.4
Live Animals and Meat	6.5	5.0	7.8	1,356.7	1,630.2	2,248.6
Hides and Skins	--	--	--	1,440.4	1,665.6	1,837.5
Poultry and Products	--	--	--	455.3	594.3	647.4
Fats, Oils and Greases	--	--	--	476.5	416.8	544.6
Dairy Products	--	--	--	431.0	490.6	535.5
Feeds and Fodders	6.4	17.4	15.2	557.0	671.9	872.9
Seeds	1.8	1.9	2.1	366.4	371.1	414.5
Other	2.3	7.4	12.3	1,427.8	1,656.3	1,958.9
ALL COMMODITIES	89.4	263.9	432.3	26,306.9	27,876.0	35,334.3

<sup>1</sup> Fiscal year ending September 30.

**REPORTS ISSUED and PUBLICATION DATES**

REPORT	FREQUENCY	APPROXIMATE DATE OF PUBLICATION <sup>1</sup>
<b>MONTANA REPORTS:</b>		
Crop & Livestock Reporter	Twice Monthly	2nd & 4th Thursdays
Crop-Weather Report	Weekly	Mondays, April-October
Crop-Weather Report	Monthly	10th of Month, November-March
Montana Agricultural Statistics bulletin	Annual	October
<b>NATIONAL REPORTS ON CROPS:</b>		
Crop Forecasts	Monthly	12th of Month
Winter Wheat Seedings	Annual	January 12
Prospective Plantings	Annual	March 31
Annual Crop Summary and Value of Production	Annual	January 12
Cherry Production	Semi-Annually	June forecast, January final
Potato Stocks	Monthly	15th of Month, December-May
Range and Pasture Condition	Monthly	12th of Month, April-November
Stocks of Grains	Quarterly	January, March, June & September
Wheat Movement Summary	Semi-Annually	March & September
Wheat and Barley Varieties	Annual	July 15
<b>NATIONAL REPORTS ON LIVESTOCK, DAIRY, POULTRY and LIVESTOCK PRODUCTION:</b>		
Poultry (Egg Production, Chick and Poult Hatchings)	Quarterly	March, June, September, December
Livestock Slaughter	Monthly	20th of Month
Cattle Inventory and Calf Crop	Semi-Annually	February 5 & July 29
Sheep Inventory and Lamb Crop	Annual	February 5
Wool Crop	Annual	March 25
Hog Inventory and Pig Crop	Quarterly	January, March, June, September
Meat Animals, Marketings and Cash Receipts	Annual	April
Milk Cows and Milk Production	Quarterly	January, April, July & October
<b>NATIONAL PRICE REPORTS:</b>		
Agricultural Prices	Monthly	Last working day of month
Farm Income	Annual	February
<b>NATIONAL MISCELLANEOUS REPORTS:</b>		
Farms and Farm Land	Annual	August 9
Farm Labor (Regional Data Only)	Quarterly	February, May, August, November

<sup>1</sup> Pending program changes may change some publication dates. Statistics in the National program are released in Washington, D.C. and locally according to strict, predetermined dates. Various series are included in the "MONTANA CROP & LIVESTOCK REPORTER" published twice a month.

**SUBSCRIPTION INFORMATION:**

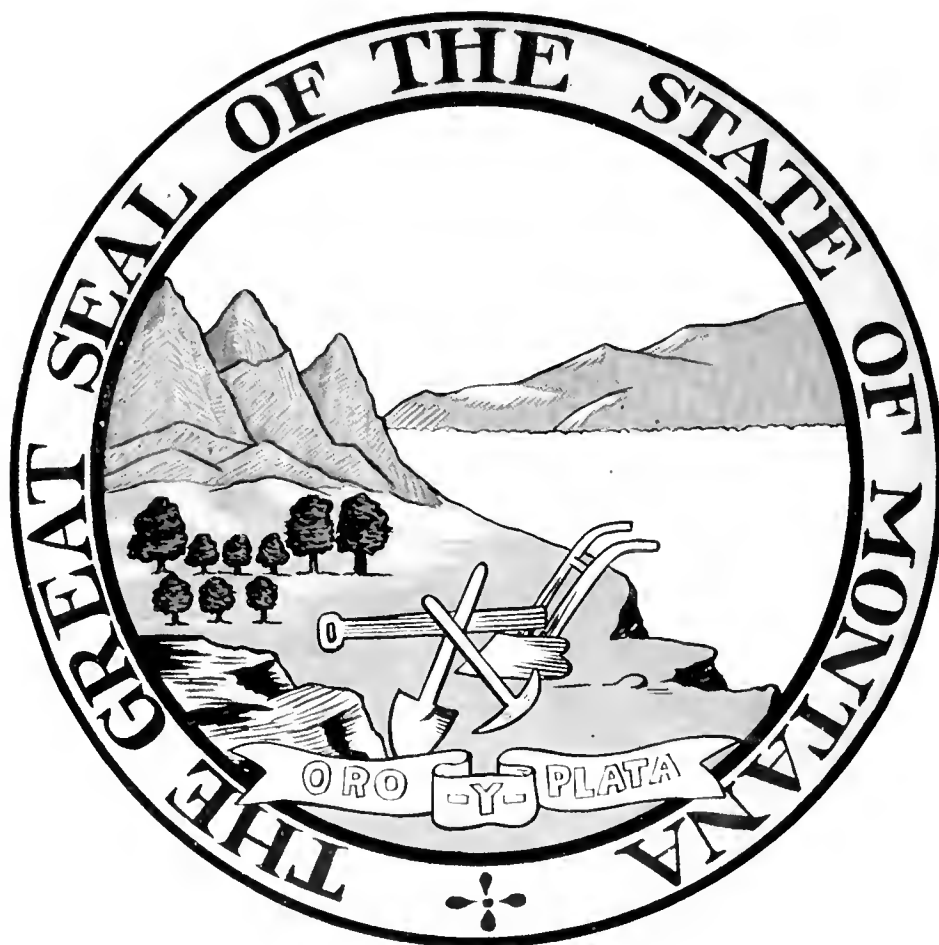
1. Montana Crop & Livestock Reporter--a semi-monthly publication containing various crop, livestock, price and other farm data  
Price: \$12.00 for 24 issues.
2. Crop-Weather Report--follows crop progress and livestock situation. Price: \$14.00 for 30 issues.
3. Montana Agricultural Statistics Bulletin--Price: \$5.00. Those who provide survey information are not charged.

**Mailing address:**

Montana Agricultural Statistics Service  
P.O. Box 4369  
Helena, Montana 59604

**Office location:**

Federal Building  
301 South Park, Room 398  
Helena, Montana 59624  
Phone: (406) 449-5303



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